API Well Number: 43013524450000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
GMBU 110-34-8-16

2. TYPE OF WORK
DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
MONUMENT BUTTE

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME
GMBU (GRRV)

6. NAME OF OPERATOR
NEWFIELD PRODUCTION COMPANY

7. OPERATOR PHONE
435 646-4825

8. ADDRESS OF OPERATOR
Rt 3 Box 3630 , Myton, UT, 84052

9. OPERATOR E-MAIL
mcrozier@newfield.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
UTU-16535

11. MINERAL OWNERSHIP
FEDERAL ◉ INDIAN ○ STATE ○ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ◉ INDIAN ○ STATE ○ FEE ○

13. NAME OF SURFACE OWNER (if box 12 = 'fee')

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ◉

19. SLANT
VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	691 FNL 1952 FEL	NWNE	34	8.0 S	16.0 E	S
Top of Uppermost Producing Zone	1094 FNL 1989 FEL	NWNE	34	8.0 S	16.0 E	S
At Total Depth	1396 FNL 2028 FEL	SWNE	34	8.0 S	16.0 E	S

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
612

23. NUMBER OF ACRES IN DRILLING UNIT
10

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
782

26. PROPOSED DEPTH
MD: 6365 TVD: 6320

27. ELEVATION - GROUND LEVEL
5594

28. BOND NUMBER
WYB000493

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6365	15.5	J-55 LT&C	8.3	Premium Lite High Strength	302	3.26	11.0
							50/50 Poz	363	1.24	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Mandie Crozier | **TITLE** Regulatory Tech | **PHONE** 435 646-4825

SIGNATURE | **DATE** 08/28/2013 | **EMAIL** mcrozier@newfield.com

API NUMBER ASSIGNED
43013524450000

APPROVAL

Permit Manager

RECEIVED: September 17, 2013

NEWFIELD PRODUCTION COMPANY
GMBU 110-34-8-16
AT SURFACE: NW/NE SECTION 34, T8S R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1,780'
Green River	1,780'
Wasatch	6,535'
Proposed TD	6,365'(MD) 6,320' (TVD)

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1,780' – 6,535'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO_3) (mg/l)
Dissolved Bicarbonate ($NaHCO_3$) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO_4) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

RECEIVED: August 28, 2013

4. *PROPOSED CASING PROGRAM*

a. Casing Design: GMBU 110-34-8-16

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,365'	15.5	J-55	LTC	4,810 2.38	4,040 1.99	217,000 2.20

Assumptions:
1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
2) Prod casing MASP (production mode) = Pore pressure – gas gradient
3) All collapse calculations assume fully evacuated casing w/ gas gradient
4) All tension calculations assume air weight

Frac gradient at surface casing shoe =	13.0 ppg
Pore pressure at surface casing shoe =	8.33 ppg
Pore pressure at prod casing shoe =	8.33 ppg
Gas gradient =	0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: GMBU 110-34-8-16

Job	Fill	Description	Sacks ft^3	OH Excess*	Weight (ppg)	Yield (ft^3/sk)
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,365'	Prem Lite II w/ 10% gel + 3% KCl	302 983	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

RECEIVED: August 28, 2013

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ±300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

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bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2014, and take approximately seven (7) days from spud to rig release.

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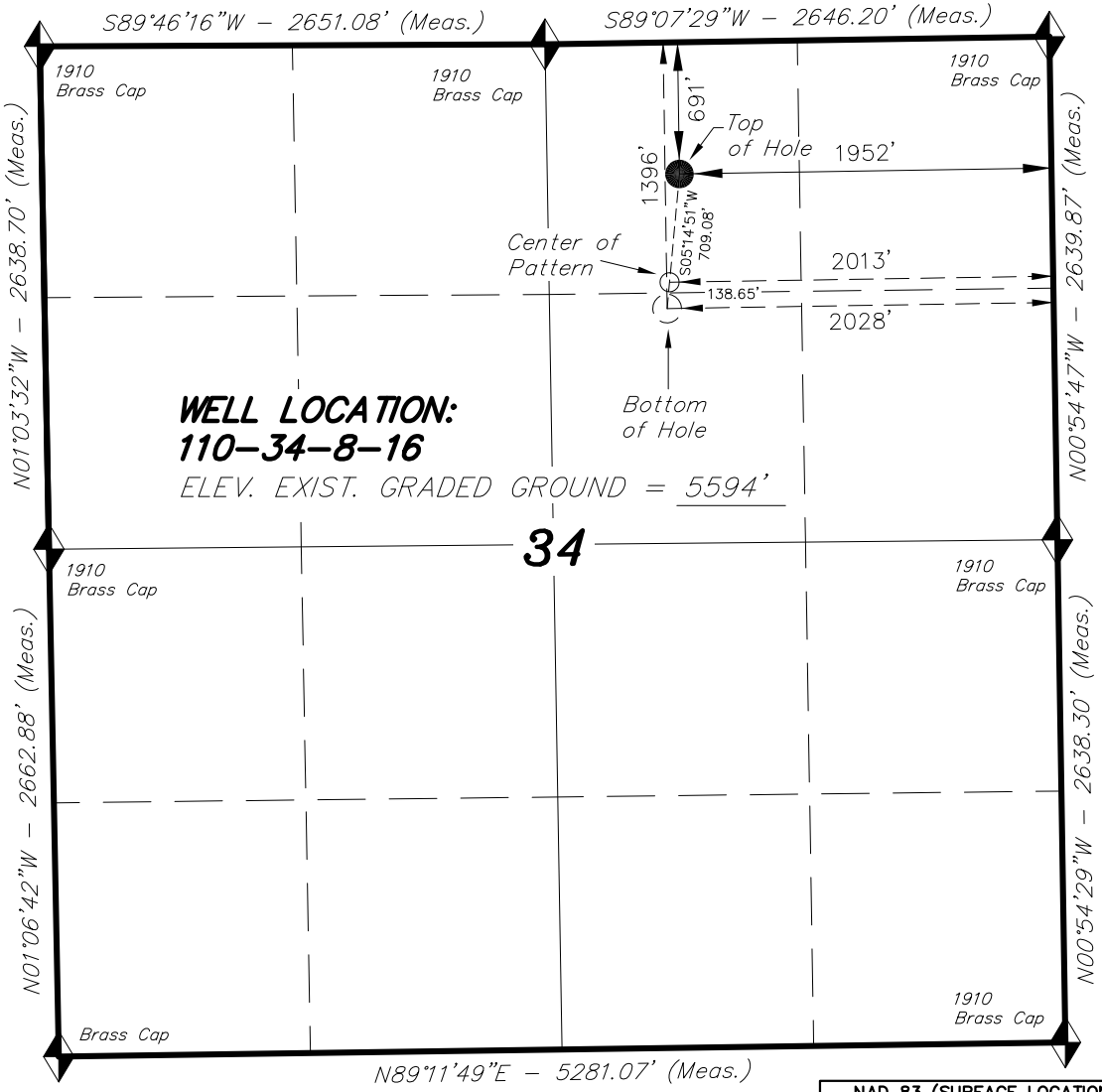
API Well Number: 43013524450000

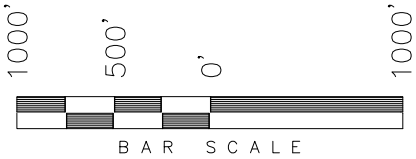
T8S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, 110-34-8-16, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 OF SECTION 34, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 110-34-8-16, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 34, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern bears S05°14'51"W 570.43' from the Top of Hole.
4. The Center of Pattern footages are 1258' FNL & 2013' FEL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 01-14-13 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

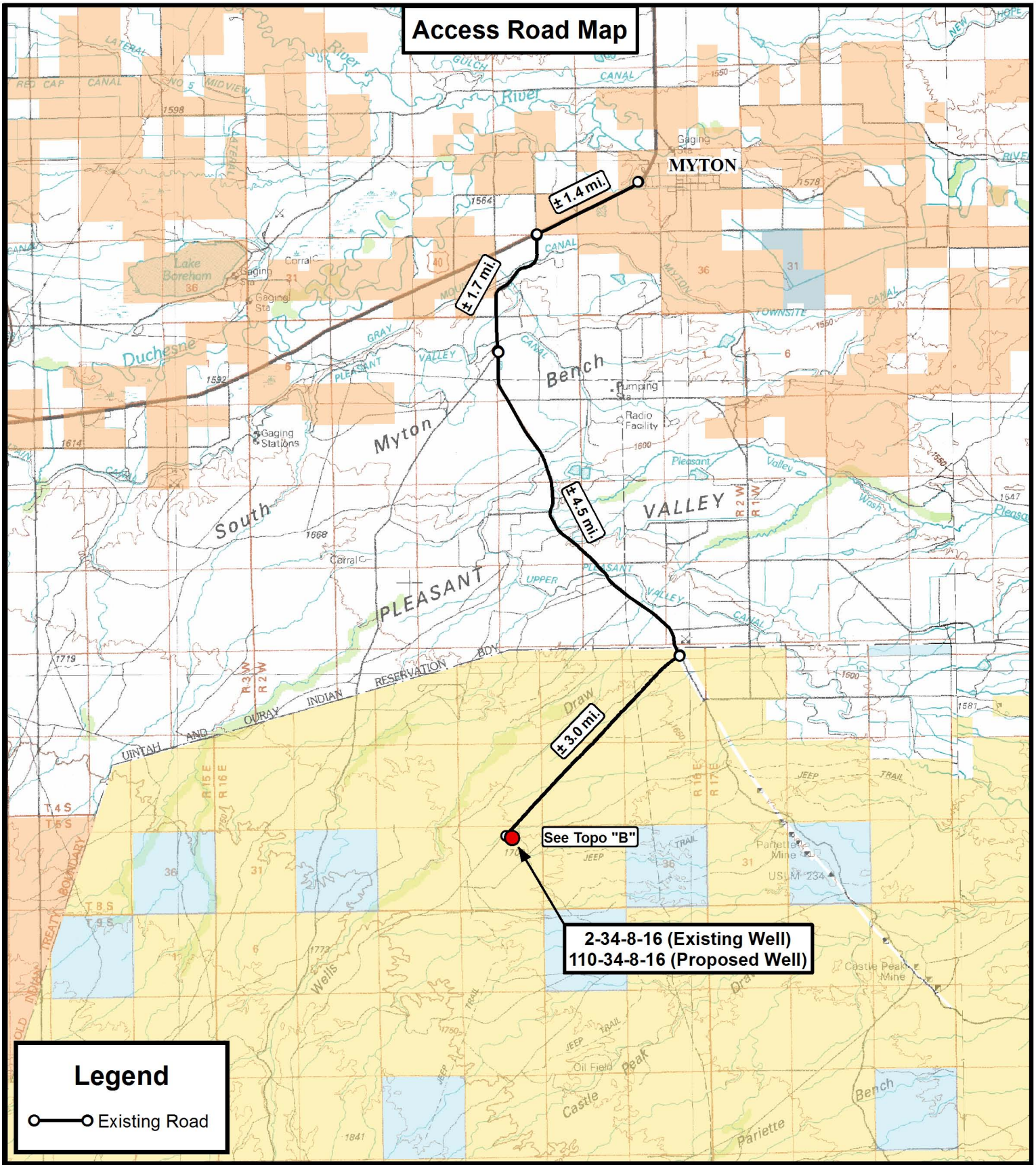
NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°04'47.09"	LONGITUDE = 110°06'11.06"
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°04'47.23"	LONGITUDE = 110°06'08.51"
NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°04'41.49"	LONGITUDE = 110°06'11.84"
LATITUDE = 40°04'40.12"	LONGITUDE = 110°06'12.03"
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°04'41.62"	LONGITUDE = 110°06'09.30"
LATITUDE = 40°04'40.26"	LONGITUDE = 110°06'09.49"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-16-13	SURVEYED BY: K.G.S.	VERSION:
DATE DRAWN: 01-14-13	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

RECEIVED: August 28, 2013

API Well Number: 43013524450000



Tri State Land Surveying, Inc.
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P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

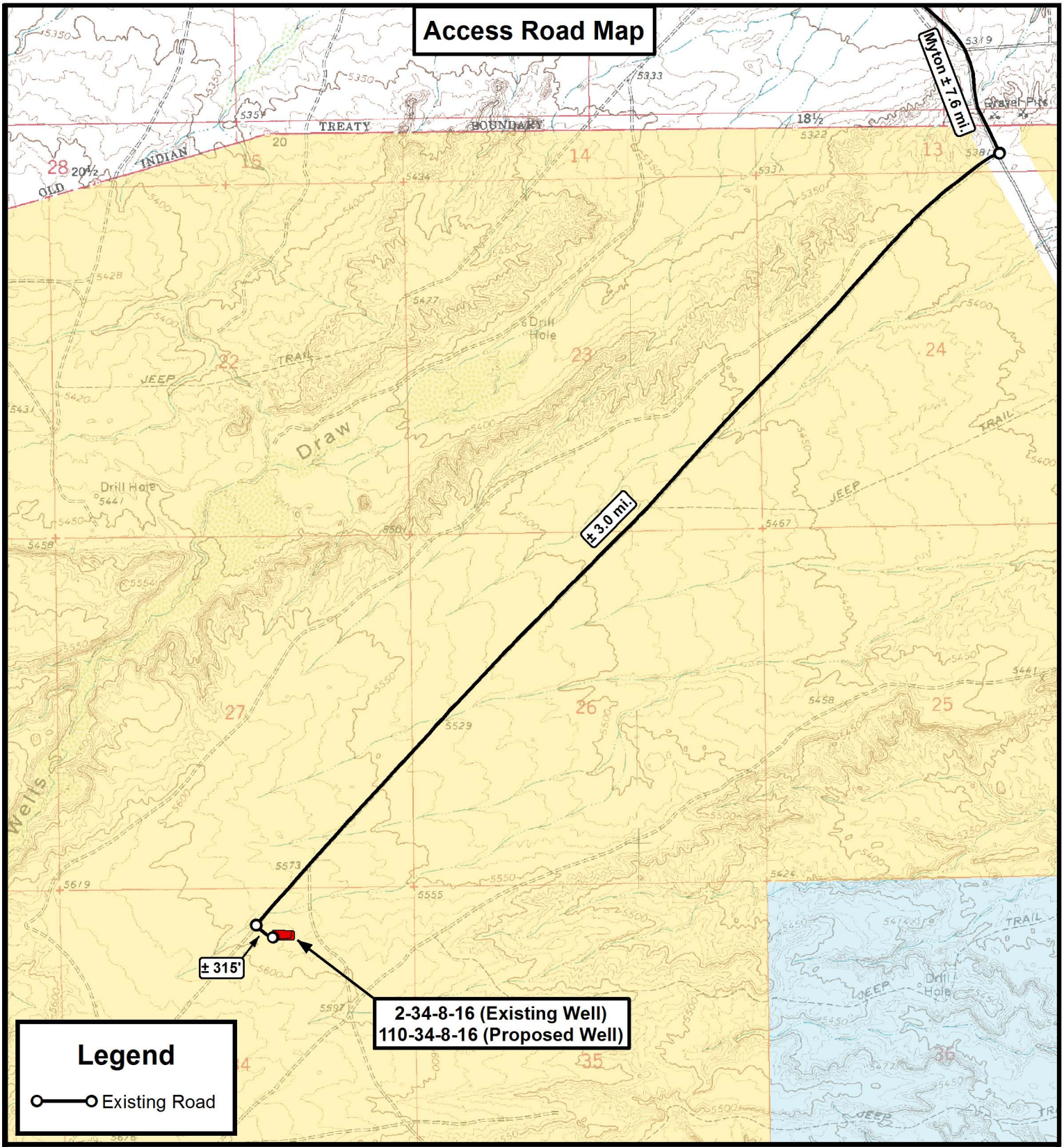
2-34-8-16 (Existing Well)
110-34-8-16 (Proposed Well)
SEC. 34, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	01-17-2013		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013524450000



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NEWFIELD EXPLORATION COMPANY

2-34-8-16 (Existing Well)
110-34-8-16 (Proposed Well)
SEC. 34, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

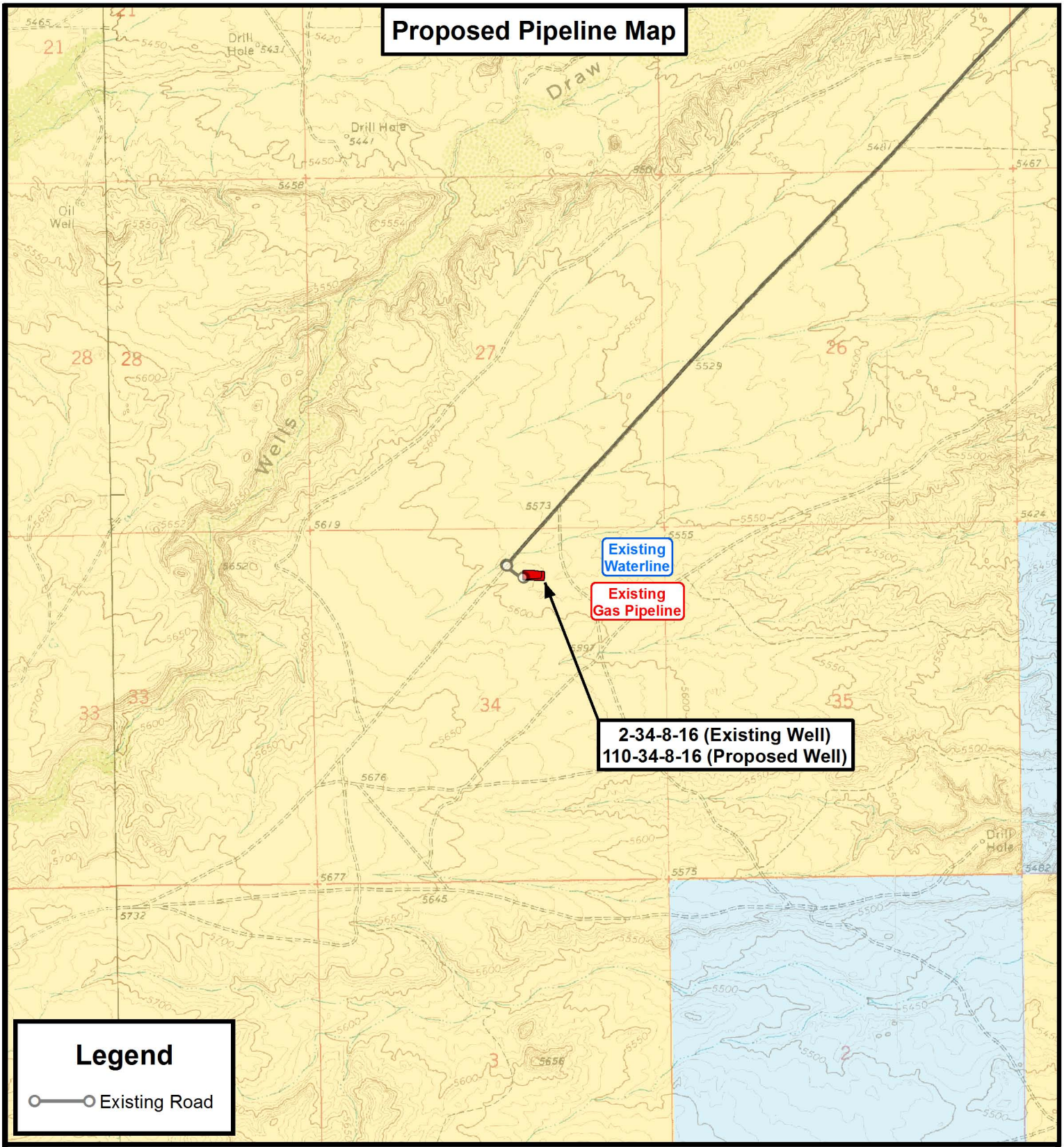
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	01-17-2013		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013524450000

Proposed Pipeline Map



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N

NEWFIELD EXPLORATION COMPANY

2-34-8-16 (Existing Well)
110-34-8-16 (Proposed Well)
SEC. 34, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

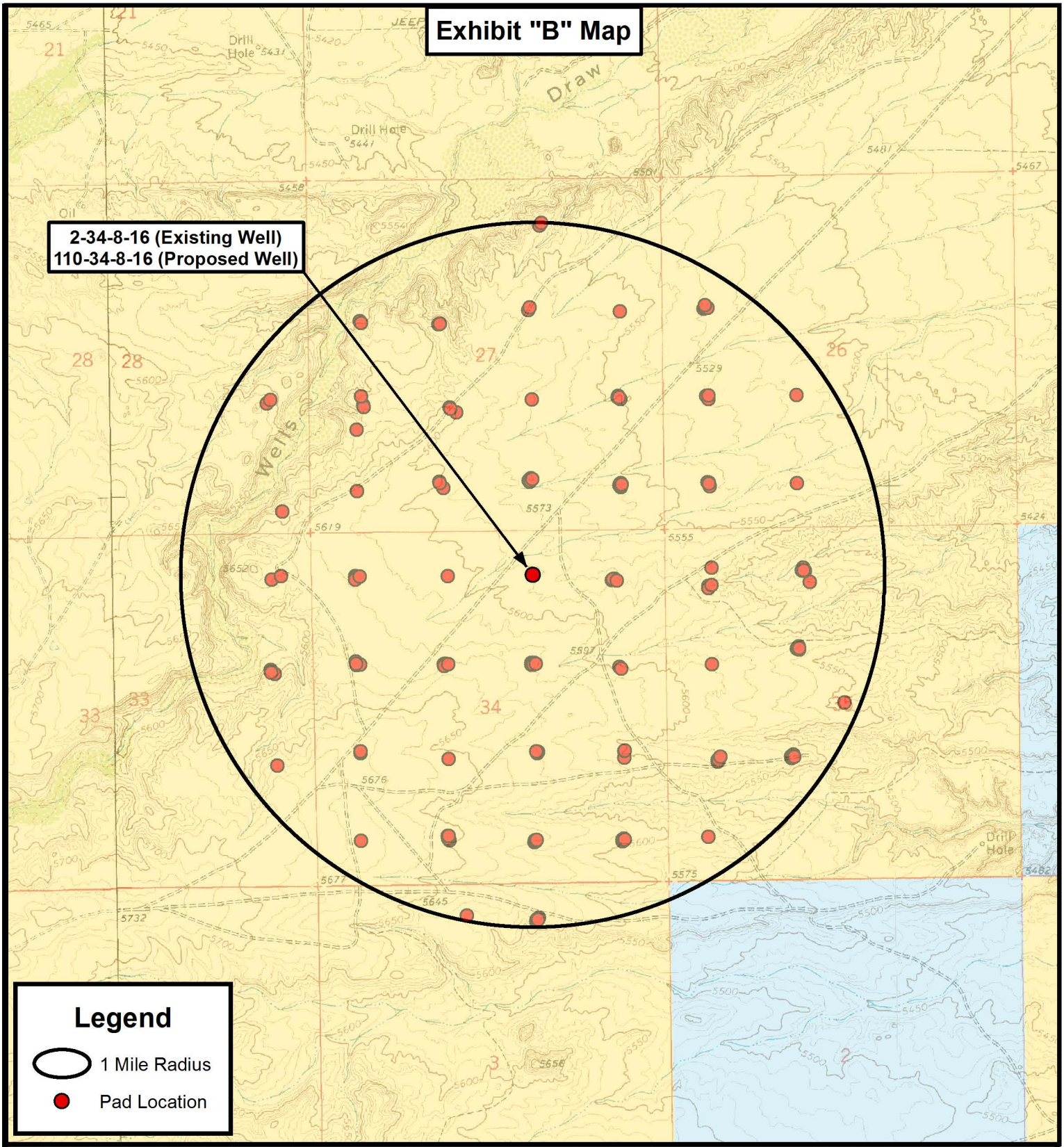
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	01-17-2013		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013524450000

Exhibit "B" Map



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NEWFIELD EXPLORATION COMPANY

2-34-8-16 (Existing Well)
110-34-8-16 (Proposed Well)
SEC. 34, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	01-17-2013		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET D

API Well Number: 43013524450000

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
2-34-8-16	Surface Hole	40° 04' 47.40" N	110° 06' 11.42" W
L-34-8-16	Surface Hole	40° 04' 47.25" N	110° 06' 11.24" W
110-34-8-16	Surface Hole	40° 04' 47.09" N	110° 06' 11.06" W
110-34-8-16	Center of Pattern	40° 04' 41.49" N	110° 06' 11.84" W
110-34-8-16	Bottom of Hole	40° 04' 40.12" N	110° 06' 12.03" W

Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
2-34-8-16	Surface Hole	40.079834	110.103174
L-34-8-16	Surface Hole	40.079790	110.103122
110-34-8-16	Surface Hole	40.079747	110.103071
110-34-8-16	Center of Pattern	40.078191	110.103289
110-34-8-16	Bottom of Hole	40.077812	110.103342

Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
2-34-8-16	Surface Hole	4437003.381	576464.149
L-34-8-16	Surface Hole	4436998.594	576468.575
110-34-8-16	Surface Hole	4436993.850	576472.962
110-34-8-16	Center of Pattern	4436820.903	576456.112
110-34-8-16	Bottom of Hole	4436778.867	576452.016

Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
2-34-8-16	Surface Hole	40° 04' 47.54" N	110° 06' 08.88" W
L-34-8-16	Surface Hole	40° 04' 47.38" N	110° 06' 08.70" W
110-34-8-16	Surface Hole	40° 04' 47.23" N	110° 06' 08.51" W
110-34-8-16	Center of Pattern	40° 04' 41.62" N	110° 06' 09.30" W
110-34-8-16	Bottom of Hole	40° 04' 40.26" N	110° 06' 09.49" W

Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
2-34-8-16	Surface Hole	40.079872	110.102467
L-34-8-16	Surface Hole	40.079829	110.102416
110-34-8-16	Surface Hole	40.079786	110.102365
110-34-8-16	Center of Pattern	40.078229	110.102583
110-34-8-16	Bottom of Hole	40.077851	110.102636

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NEWFIELD EXPLORATION COMPANY

2-34-8-16 (Existing Well)
110-34-8-16 (Proposed Well)
SEC. 34, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	
DATE:	01-17-2013		
VERSION:	V1		

COORDINATE REPORT

SHEET 1

RECEIVED: August 28, 2013

API Well Number: 43013524450000

Coordinate Report

Well Number	Feature Type	Northing (NAD 27) (UTM Meters)	Longitude (NAD 27) (UTM Meters)
2-34-8-16	Surface Hole	4436798.055	576526.362
L-34-8-16	Surface Hole	4436793.269	576530.788
110-34-8-16	Surface Hole	4436788.524	576535.175
110-34-8-16	Center of Pattern	4436615.577	576518.326
110-34-8-16	Bottom of Hole	4436573.541	576514.231

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110-34-8-16 (Proposed Well)
SEC. 34, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	
DATE:	01-17-2013		
VERSION:	V1		

COORDINATE REPORT

SHEET 2

RECEIVED: August 28, 2013

API Well Number: 43013524450000

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 34 T8S, R16E
110-34-8-16

Wellbore #1

Plan: Design #1

Standard Planning Report

15 January, 2013

RECEIVED: August 28, 2013

NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 110-34-8-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	110-34-8-16 @ 5606.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	110-34-8-16 @ 5606.0ft (Original Well Elev)
Site:	SECTION 34 T8S, R16E	**North Reference:**	True
Well:	110-34-8-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site SECTION 34 T8S, R16E, SEC 34 T8S, R16E

Site Position:		**Northing:**	7,199,000.00 ft	**Latitude:**	40° 4' 29.106 N
From:	Lat/Long	**Easting:**	2,031,000.00 ft	**Longitude:**	110° 6' 14.985 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.89 °

Well 110-34-8-16, SHL LAT: 40 04 47.09 LONG: -110 06 11.06

Well Position	**+N/-S**	1,819.7 ft	**Northing:**	7,200,824.19 ft	**Latitude:**	40° 4' 47.090 N
	+E/-W	305.1 ft	**Easting:**	2,031,276.62 ft	**Longitude:**	110° 6' 11.060 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,606.0 ft	**Ground Level:**	5,594.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/15/2013	11.13	65.78	52,126

Design Design #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	185.25

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,092.1	7.38	185.25	1,090.7	-31.5	-2.9	1.50	1.50	-35.51	185.25	
5,286.1	7.38	185.25	5,250.0	-568.0	-52.2	0.00	0.00	0.00	0.00	110-34-8-16 TGT
6,365.1	7.38	185.25	6,320.0	-706.1	-64.9	0.00	0.00	0.00	0.00	

NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 110-34-8-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	110-34-8-16 @ 5606.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	110-34-8-16 @ 5606.0ft (Original Well Elev)
Site:	SECTION 34 T8S, R16E	**North Reference:**	True
Well:	110-34-8-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	185.25	700.0	-1.3	-0.1	1.3	1.50	1.50	0.00
800.0	3.00	185.25	799.9	-5.2	-0.5	5.2	1.50	1.50	0.00
900.0	4.50	185.25	899.7	-11.7	-1.1	11.8	1.50	1.50	0.00
1,000.0	6.00	185.25	999.3	-20.8	-1.9	20.9	1.50	1.50	0.00
1,092.1	7.38	185.25	1,090.7	-31.5	-2.9	31.6	1.50	1.50	0.00
1,100.0	7.38	185.25	1,098.6	-32.5	-3.0	32.7	0.00	0.00	0.00
1,200.0	7.38	185.25	1,197.7	-45.3	-4.2	45.5	0.00	0.00	0.00
1,300.0	7.38	185.25	1,296.9	-58.1	-5.3	58.4	0.00	0.00	0.00
1,400.0	7.38	185.25	1,396.1	-70.9	-6.5	71.2	0.00	0.00	0.00
1,500.0	7.38	185.25	1,495.3	-83.7	-7.7	84.1	0.00	0.00	0.00
1,600.0	7.38	185.25	1,594.4	-96.5	-8.9	96.9	0.00	0.00	0.00
1,700.0	7.38	185.25	1,693.6	-109.3	-10.0	109.7	0.00	0.00	0.00
1,800.0	7.38	185.25	1,792.8	-122.1	-11.2	122.6	0.00	0.00	0.00
1,900.0	7.38	185.25	1,891.9	-134.9	-12.4	135.4	0.00	0.00	0.00
2,000.0	7.38	185.25	1,991.1	-147.7	-13.6	148.3	0.00	0.00	0.00
2,100.0	7.38	185.25	2,090.3	-160.5	-14.7	161.1	0.00	0.00	0.00
2,200.0	7.38	185.25	2,189.5	-173.2	-15.9	174.0	0.00	0.00	0.00
2,300.0	7.38	185.25	2,288.6	-186.0	-17.1	186.8	0.00	0.00	0.00
2,400.0	7.38	185.25	2,387.8	-198.8	-18.3	199.7	0.00	0.00	0.00
2,500.0	7.38	185.25	2,487.0	-211.6	-19.4	212.5	0.00	0.00	0.00
2,600.0	7.38	185.25	2,586.1	-224.4	-20.6	225.4	0.00	0.00	0.00
2,700.0	7.38	185.25	2,685.3	-237.2	-21.8	238.2	0.00	0.00	0.00
2,800.0	7.38	185.25	2,784.5	-250.0	-23.0	251.1	0.00	0.00	0.00
2,900.0	7.38	185.25	2,883.7	-262.8	-24.1	263.9	0.00	0.00	0.00
3,000.0	7.38	185.25	2,982.8	-275.6	-25.3	276.7	0.00	0.00	0.00
3,100.0	7.38	185.25	3,082.0	-288.4	-26.5	289.6	0.00	0.00	0.00
3,200.0	7.38	185.25	3,181.2	-301.2	-27.7	302.4	0.00	0.00	0.00
3,300.0	7.38	185.25	3,280.3	-314.0	-28.8	315.3	0.00	0.00	0.00
3,400.0	7.38	185.25	3,379.5	-326.8	-30.0	328.1	0.00	0.00	0.00
3,500.0	7.38	185.25	3,478.7	-339.6	-31.2	341.0	0.00	0.00	0.00
3,600.0	7.38	185.25	3,577.9	-352.3	-32.4	353.8	0.00	0.00	0.00
3,700.0	7.38	185.25	3,677.0	-365.1	-33.6	366.7	0.00	0.00	0.00
3,800.0	7.38	185.25	3,776.2	-377.9	-34.7	379.5	0.00	0.00	0.00
3,900.0	7.38	185.25	3,875.4	-390.7	-35.9	392.4	0.00	0.00	0.00
4,000.0	7.38	185.25	3,974.5	-403.5	-37.1	405.2	0.00	0.00	0.00
4,100.0	7.38	185.25	4,073.7	-416.3	-38.3	418.1	0.00	0.00	0.00
4,200.0	7.38	185.25	4,172.9	-429.1	-39.4	430.9	0.00	0.00	0.00
4,300.0	7.38	185.25	4,272.1	-441.9	-40.6	443.8	0.00	0.00	0.00
4,400.0	7.38	185.25	4,371.2	-454.7	-41.8	456.6	0.00	0.00	0.00
4,500.0	7.38	185.25	4,470.4	-467.5	-43.0	469.4	0.00	0.00	0.00
4,600.0	7.38	185.25	4,569.6	-480.3	-44.1	482.3	0.00	0.00	0.00
4,700.0	7.38	185.25	4,668.7	-493.1	-45.3	495.1	0.00	0.00	0.00
4,800.0	7.38	185.25	4,767.9	-505.9	-46.5	508.0	0.00	0.00	0.00
4,900.0	7.38	185.25	4,867.1	-518.6	-47.7	520.8	0.00	0.00	0.00
5,000.0	7.38	185.25	4,966.3	-531.4	-48.8	533.7	0.00	0.00	0.00
5,100.0	7.38	185.25	5,065.4	-544.2	-50.0	546.5	0.00	0.00	0.00
5,200.0	7.38	185.25	5,164.6	-557.0	-51.2	559.4	0.00	0.00	0.00

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Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 110-34-8-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	110-34-8-16 @ 5606.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	110-34-8-16 @ 5606.0ft (Original Well Elev)
Site:	SECTION 34 T8S, R16E	**North Reference:**	True
Well:	110-34-8-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,286.1	7.38	185.25	5,250.0	-568.0	-52.2	570.4	0.00	0.00	0.00
5,300.0	7.38	185.25	5,263.8	-569.8	-52.4	572.2	0.00	0.00	0.00
5,400.0	7.38	185.25	5,362.9	-582.6	-53.5	585.1	0.00	0.00	0.00
5,500.0	7.38	185.25	5,462.1	-595.4	-54.7	597.9	0.00	0.00	0.00
5,600.0	7.38	185.25	5,561.3	-608.2	-55.9	610.8	0.00	0.00	0.00
5,700.0	7.38	185.25	5,660.5	-621.0	-57.1	623.6	0.00	0.00	0.00
5,800.0	7.38	185.25	5,759.6	-633.8	-58.2	636.4	0.00	0.00	0.00
5,900.0	7.38	185.25	5,858.8	-646.6	-59.4	649.3	0.00	0.00	0.00
6,000.0	7.38	185.25	5,958.0	-659.4	-60.6	662.1	0.00	0.00	0.00
6,100.0	7.38	185.25	6,057.1	-672.2	-61.8	675.0	0.00	0.00	0.00
6,200.0	7.38	185.25	6,156.3	-684.9	-62.9	687.8	0.00	0.00	0.00
6,300.0	7.38	185.25	6,255.5	-697.7	-64.1	700.7	0.00	0.00	0.00
6,365.1	7.38	185.25	6,320.0	-706.1	-64.9	709.0	0.00	0.00	0.00

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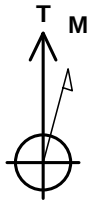
API Well Number: 43013524450000

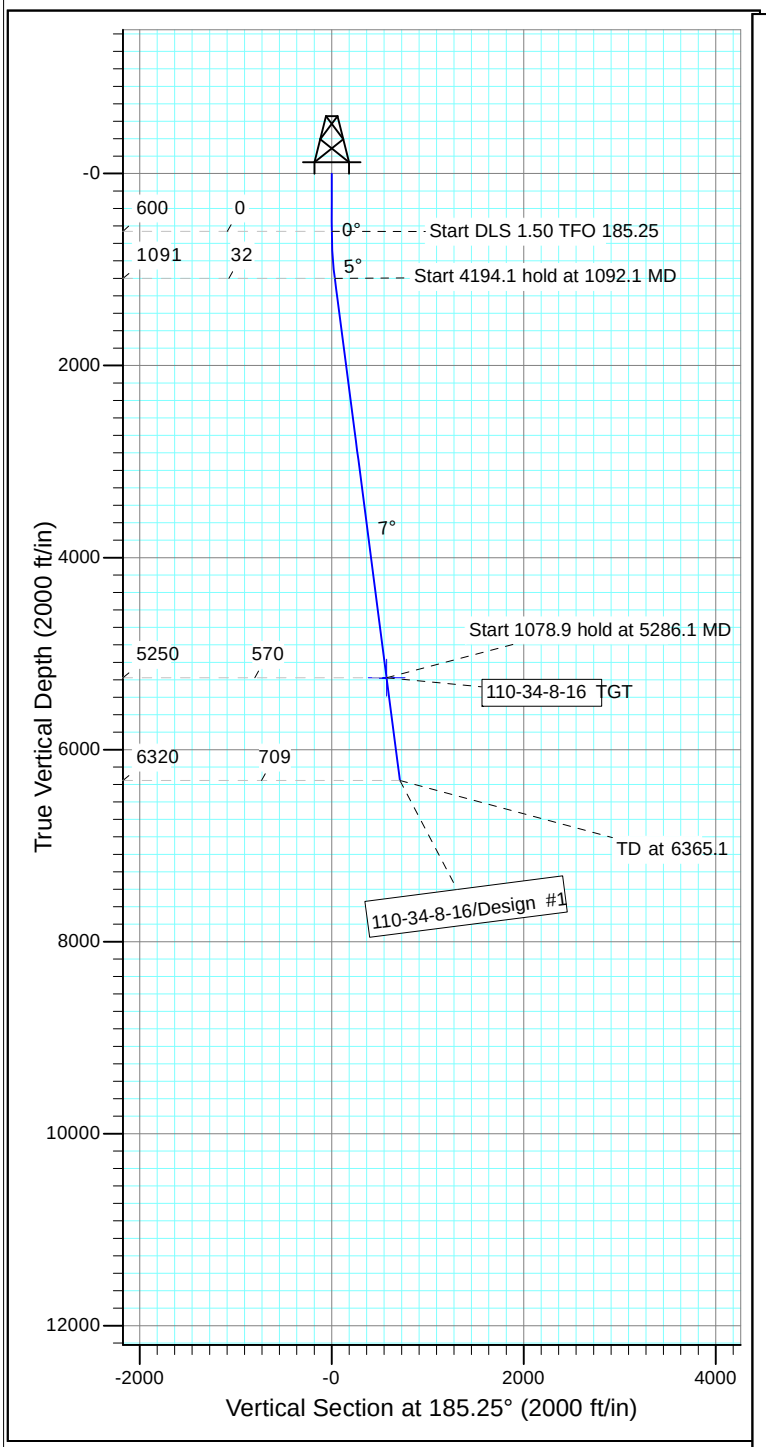
NEWFIELD

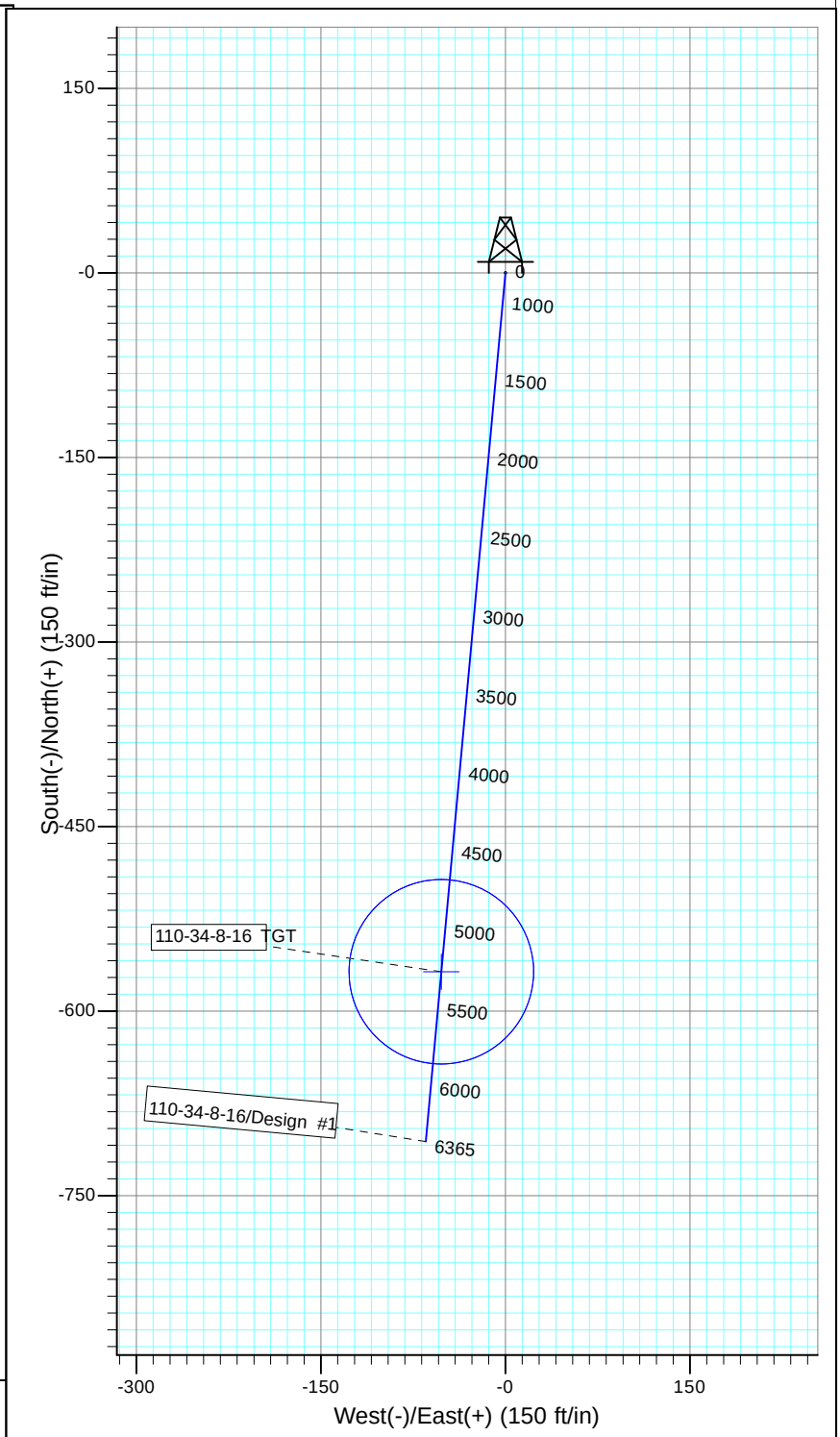
Project: USGS Myton SW (UT)
Site: SECTION 34 T8S, R16E
Well: 110-34-8-16
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.13°

Magnetic Field
Strength: 52126.2snT
Dip Angle: 65.78°
Date: 1/15/2013
Model: IGRF2010





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
110-34-8-16 TGT	5250.0	-568.0	-52.2	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1092.1	7.38	185.25	1090.7	-31.5	-2.9	1.50	185.25	31.6	
4	5286.1	7.38	185.25	5250.0	-568.0	-52.2	0.00	0.00	570.4	110-34-8-16 TGT
5	6365.1	7.38	185.25	6320.0	-706.1	-64.9	0.00	0.00	709.0	

NEWFIELD PRODUCTION COMPANY
GMBU 110-34-8-16
AT SURFACE: NW/NE SECTION 34, T8S R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU 110-34-8-16 located in the NW 1/4 NE 1/4 Section 34, T8S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 6.2 miles ± to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 3.0 miles ± to it's junction with the beginning of the access road to the existing 2-34-8-16 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 2-34-8-16 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

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Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-7478

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. ANCILLARY FACILITIES

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There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. ***WELL SITE LAYOUT***

See attached Location Layout Sheet.

Fencing Requirements

a) All pits will be fenced or have panels installed consistent with the following minimum standards:

1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times

3. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE**:

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. ***SURFACE OWNERSHIP*** – Bureau of Land Management.

12. ***OTHER ADDITIONAL INFORMATION***

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report # 13-172 7/25/13, prepared by Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, SWCA Environmental Consultants, Report No. UT13-14273-14, May 2013. See attached report cover pages, Exhibit “D”.

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Water Disposal
After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations
All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration
Newfield Production Company guarantees that during the drilling and completion of the GMBU 110-34-8-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU 110-34-8-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative
Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #110-34-8-16, Section 34, Township 8S, Range 16E: Lease UTU-16535 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

Mandie Crozier

Digitally signed by Mandie Crozier
DN: cn=Mandie Crozier, o=Newfield Production, ou=Regulatory Analyst, email=mcrozier@newfield.com, c=US
Date: 2013.08.27 13:54:37 -06'00'

8/20/13
Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

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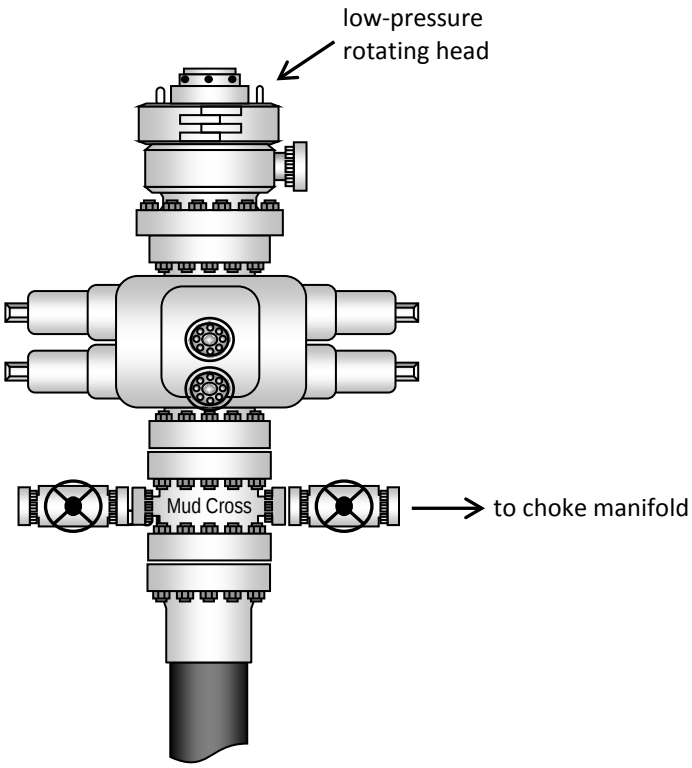
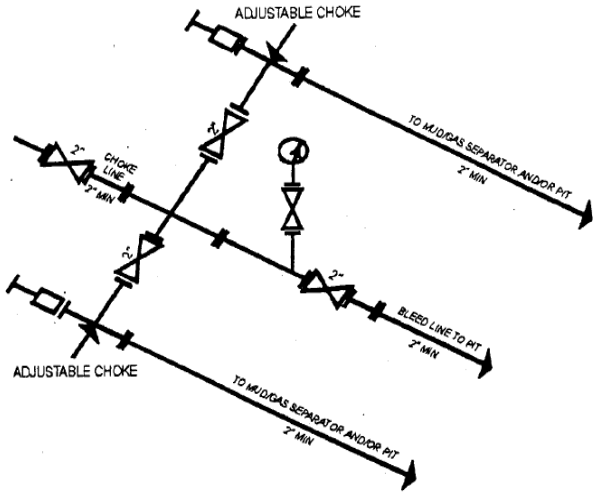
Typical 2M BOP stack configuration





2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

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API Well Number: 43013524450000

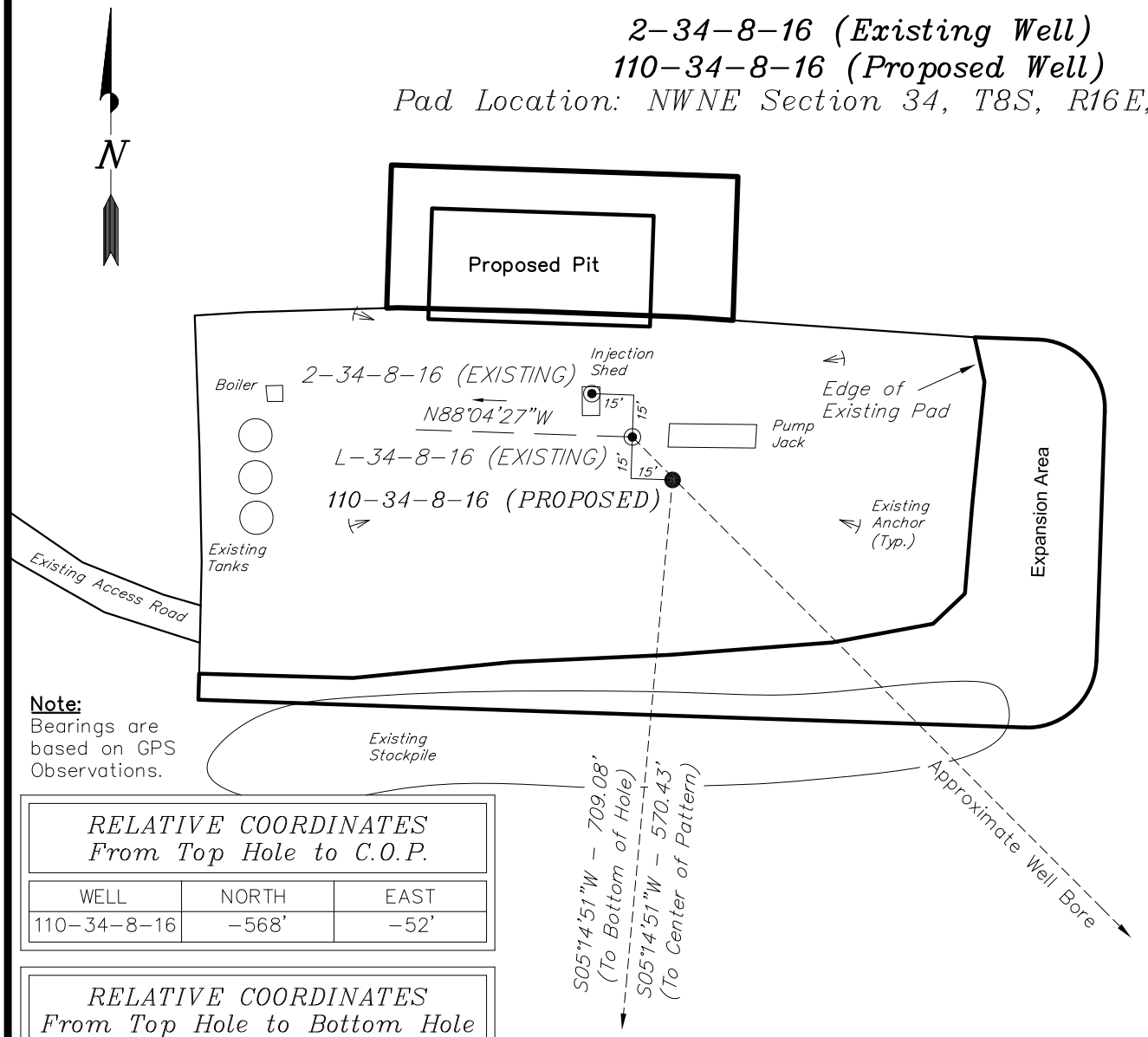
NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

2-34-8-16 (Existing Well)

110-34-8-16 (Proposed Well)

Pad Location: NWNE Section 34, T8S, R16E, S.L.B.&M.



Note:
Bearings are based on GPS Observations.

TOP HOLE FOOTAGES
110-34-8-16
691' FNL & 1952' FEL

CENTER OF PATTERN FOOTAGES
110-34-8-16
1258' FNL & 2013' FEL

BOTTOM HOLE FOOTAGES
110-34-8-16
1396' FNL & 2028' FEL

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
2-34-8-16	40° 04' 47.40"	110° 06' 11.42"
L-34-8-16	40° 04' 47.25"	110° 06' 11.24"
110-34-8-16	40° 04' 47.09"	110° 06' 11.06"

LATITUDE & LONGITUDE
Center of Pattern (NAD 83)

WELL	LATITUDE	LONGITUDE
110-34-8-16	40° 04' 41.49"	110° 06' 11.84"

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
110-34-8-16	40° 04' 40.12"	110° 06' 12.03"

RELATIVE COORDINATES
From Top Hole to C.O.P.

WELL	NORTH	EAST
110-34-8-16	-568'	-52'

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
110-34-8-16	-706'	-65'

SURVEYED BY: K.G.S.	DATE SURVEYED: 01-16-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 01-14-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: August 28, 2013

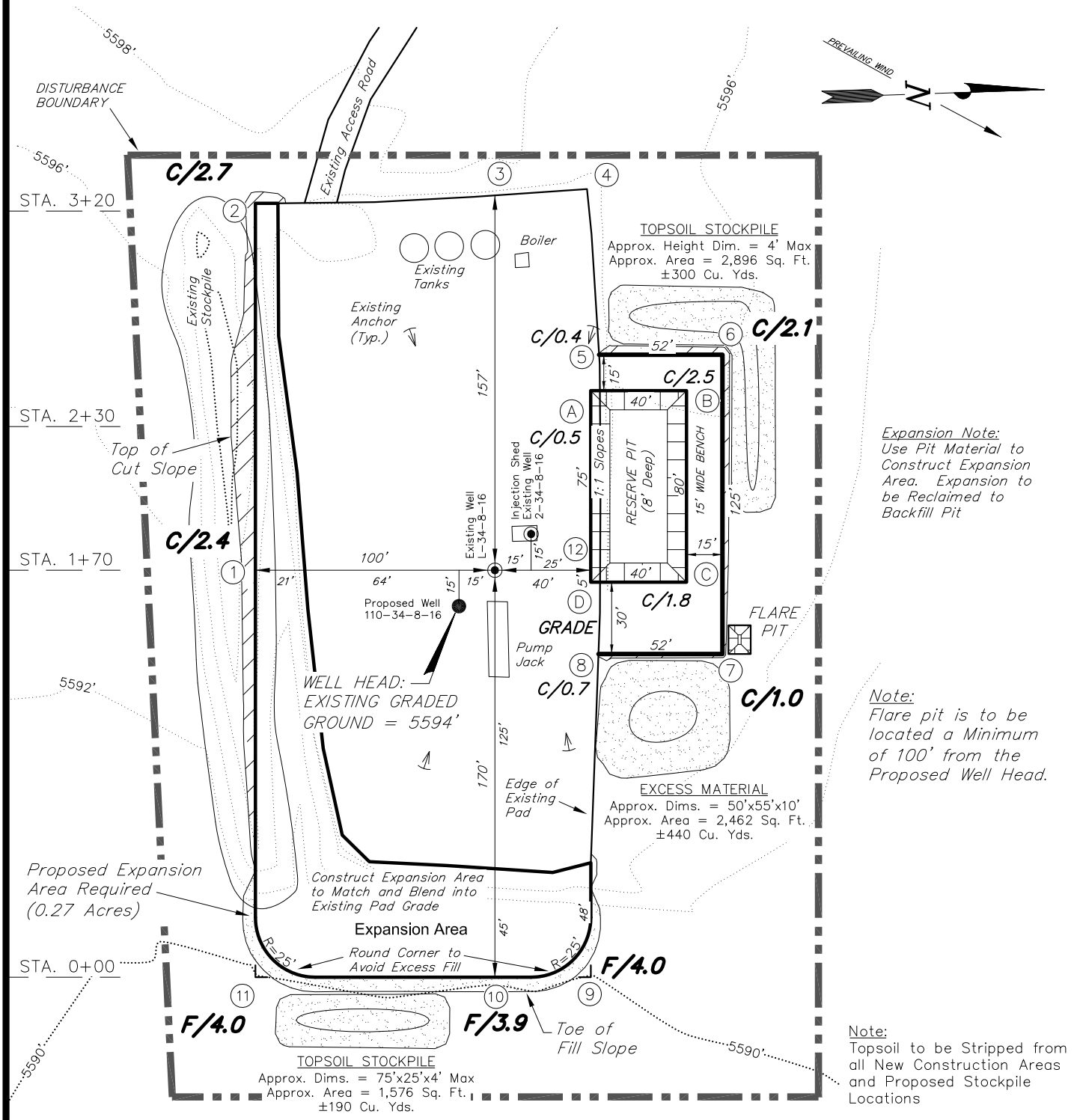
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

2-34-8-16 (Existing Well)

110-34-8-16 (Proposed Well)

Pad Location: NWNE Section 34, T8S, R16E, S.L.B.&M.



Expansion Note:
Use Pit Material to Construct Expansion Area. Expansion to be Reclaimed to Backfill Pit

Note:
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

Note:
Topsoil to be Stripped from all New Construction Areas and Proposed Stockpile Locations

NOTE:
The topsoil & excess material areas are calculated as being mounds containing 930 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

Berm Note:
Construct 2' High Berm around Perimeter of Pad, Except when Cut Exceeds 2'. Blend new Constructed Berm into Existing Pad Berm where Required.

SURVEYED BY: K.G.S.	DATE SURVEYED: 01-16-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 01-14-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: August 28, 2013

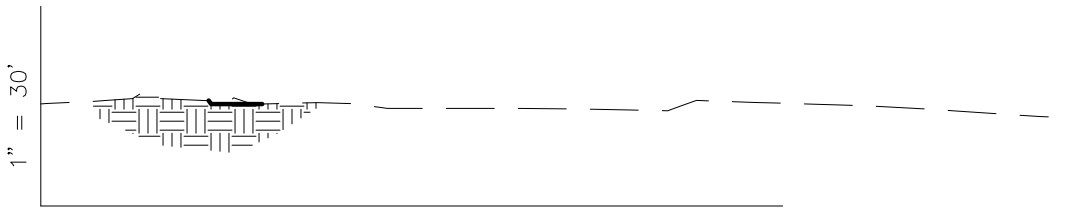
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

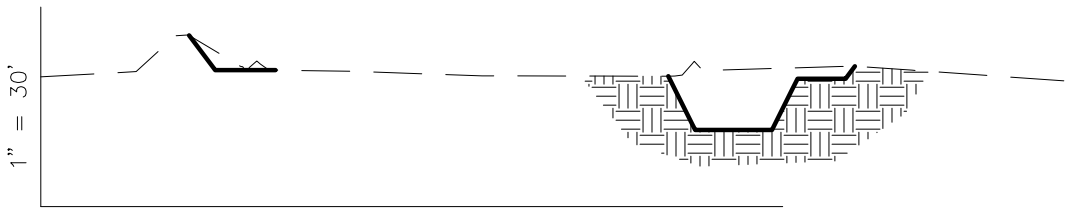
2-34-8-16 (Existing Well)

110-34-8-16 (Proposed Well)

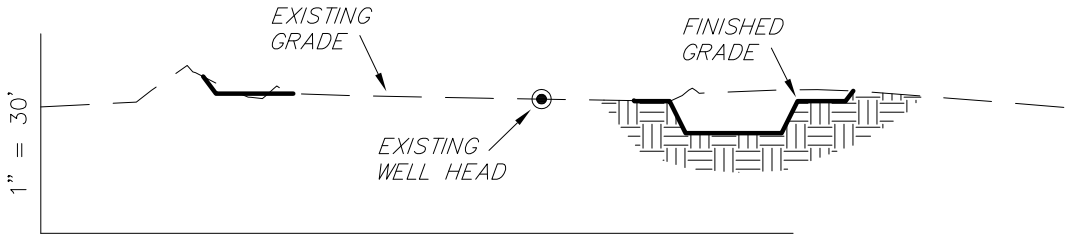
Pad Location: NWNE Section 34, T8S, R16E, S.L.B.&M.



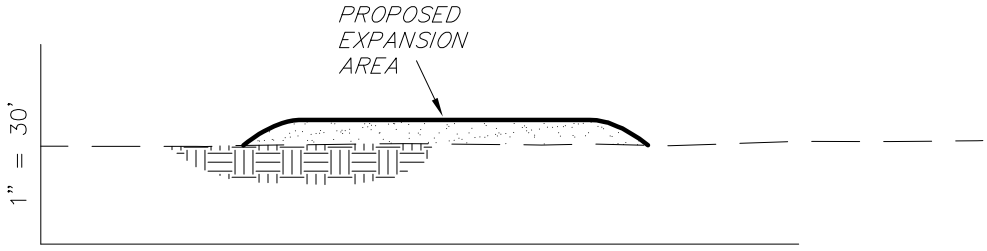
STA. 3+20



STA. 2+30



STA. 1+70



STA. 0+00

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	430	720	Topsoil is not included in Pad Cut	-290
PIT	690	0		690
TOTALS	1,120	720	450	400

SURVEYED BY: K.G.S.	DATE SURVEYED: 01-16-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 01-14-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: August 28, 2013

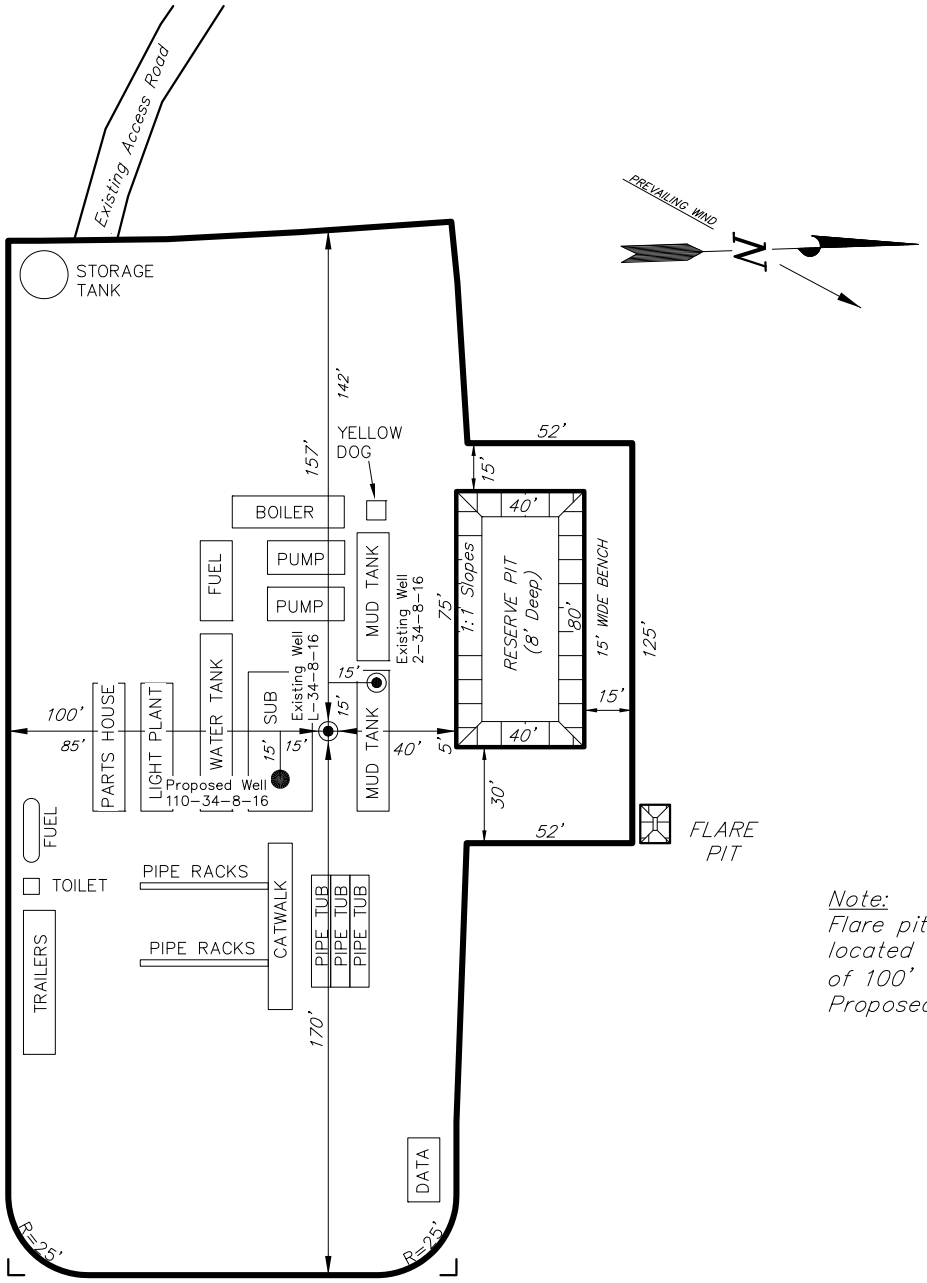
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

2-34-8-16 (Existing Well)

110-34-8-16 (Proposed Well)

Pad Location: NWNE Section 34, T8S, R16E, S.L.B.&M.



Note:
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

SURVEYED BY: K.G.S.	DATE SURVEYED: 01-16-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 01-14-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: August 28, 2013

API Well Number: 43013524450000

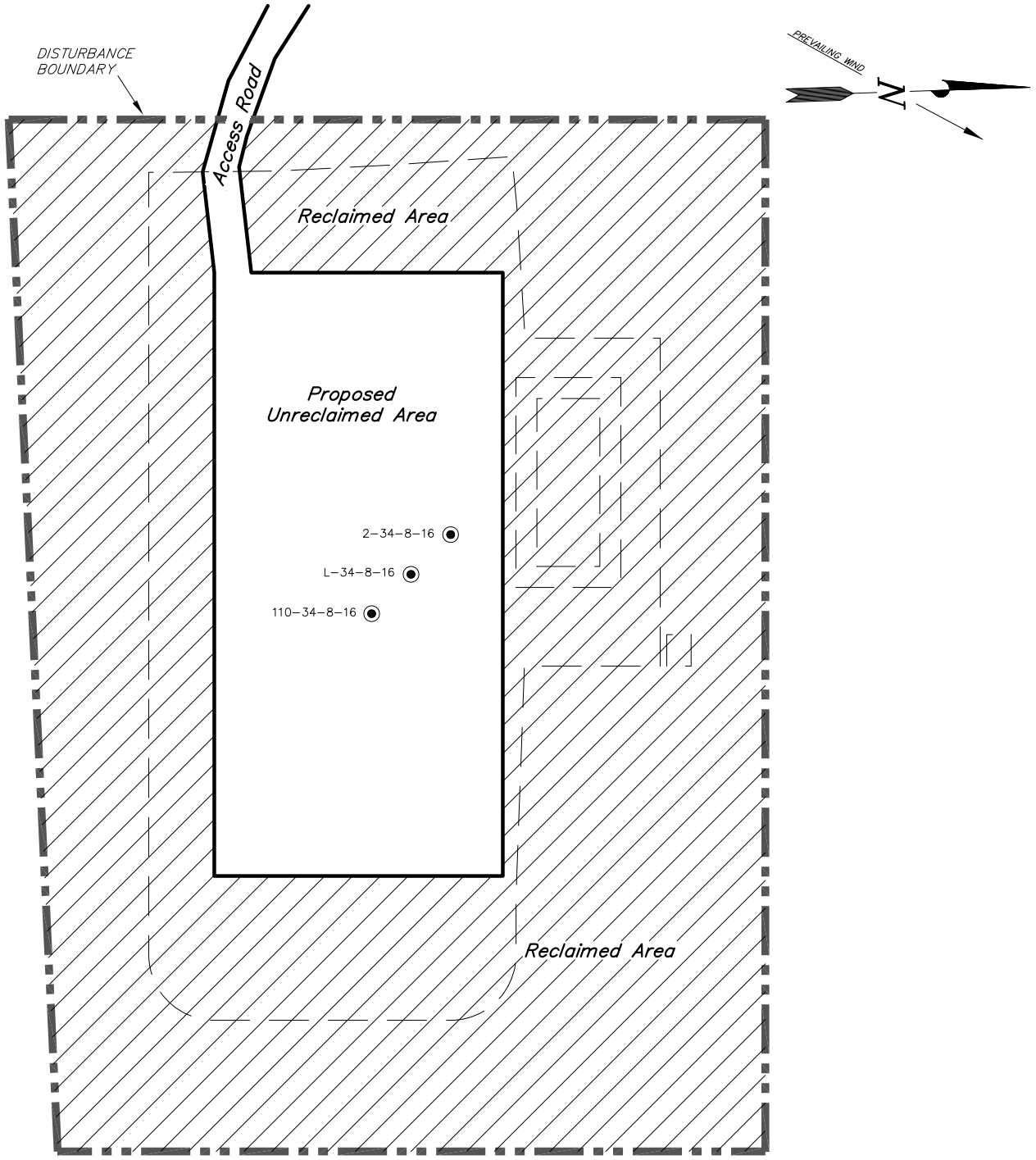
NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

2-34-8-16 (Existing Well)

110-34-8-16 (Proposed Well)

Pad Location: NWNE Section 34, T8S, R16E, S.L.B.&M.



Notes:
1. Reclaimed Area to Include Seeding of Approved Vegetation and Sufficient Storm Water Management System.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = 2.52 ACRES
TOTAL RECLAIMED AREA = 1.92 ACRES
UNRECLAIMED AREA = 0.60 ACRES

SURVEYED BY: K.G.S.	DATE SURVEYED: 01-16-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 01-14-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: August 28, 2013

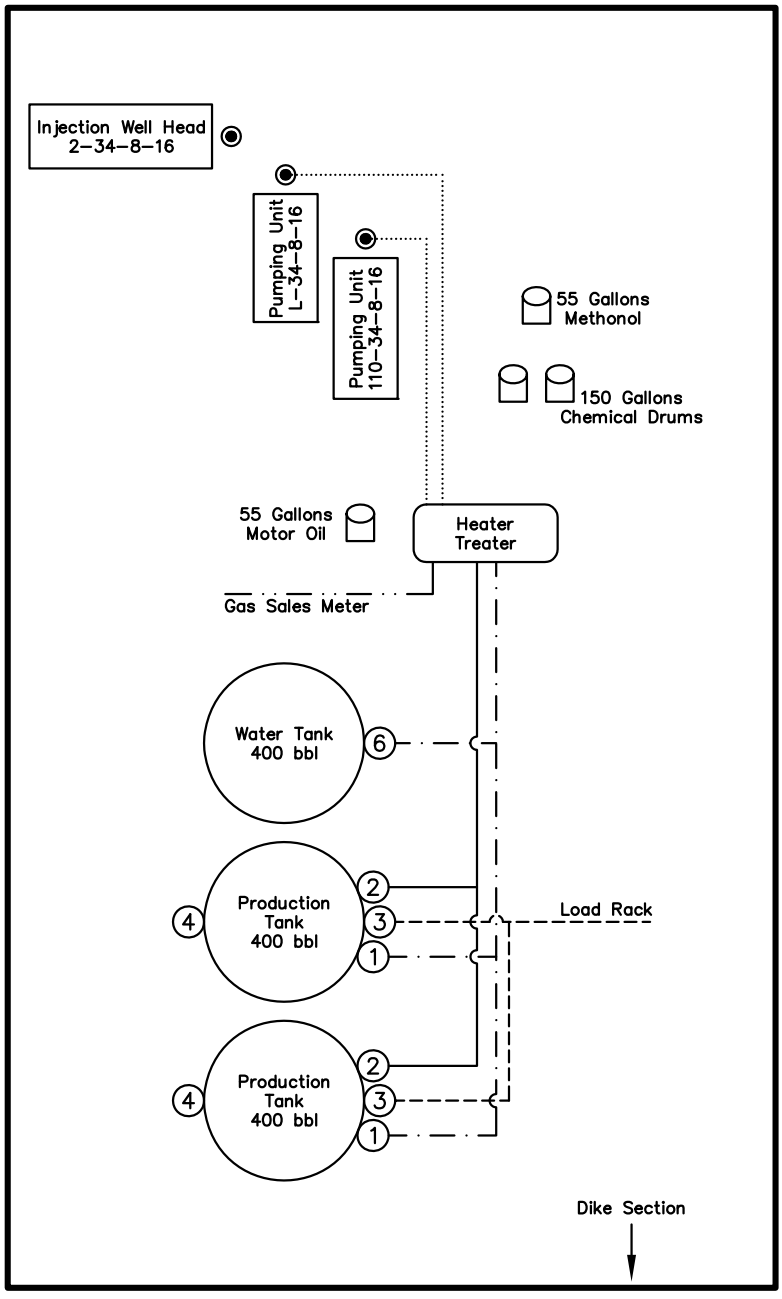
API Well Number: 43013524450000

NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

2-34-8-16 (Existing Well)
L-34-8-16 (Existing Well) UTU-16535
110-34-8-16 (Proposed Well) UTU-16535

Pad Location: NWNE Section 34, T8S, R16E, S.L.B.&M.
Duchesne County, Utah



Legend

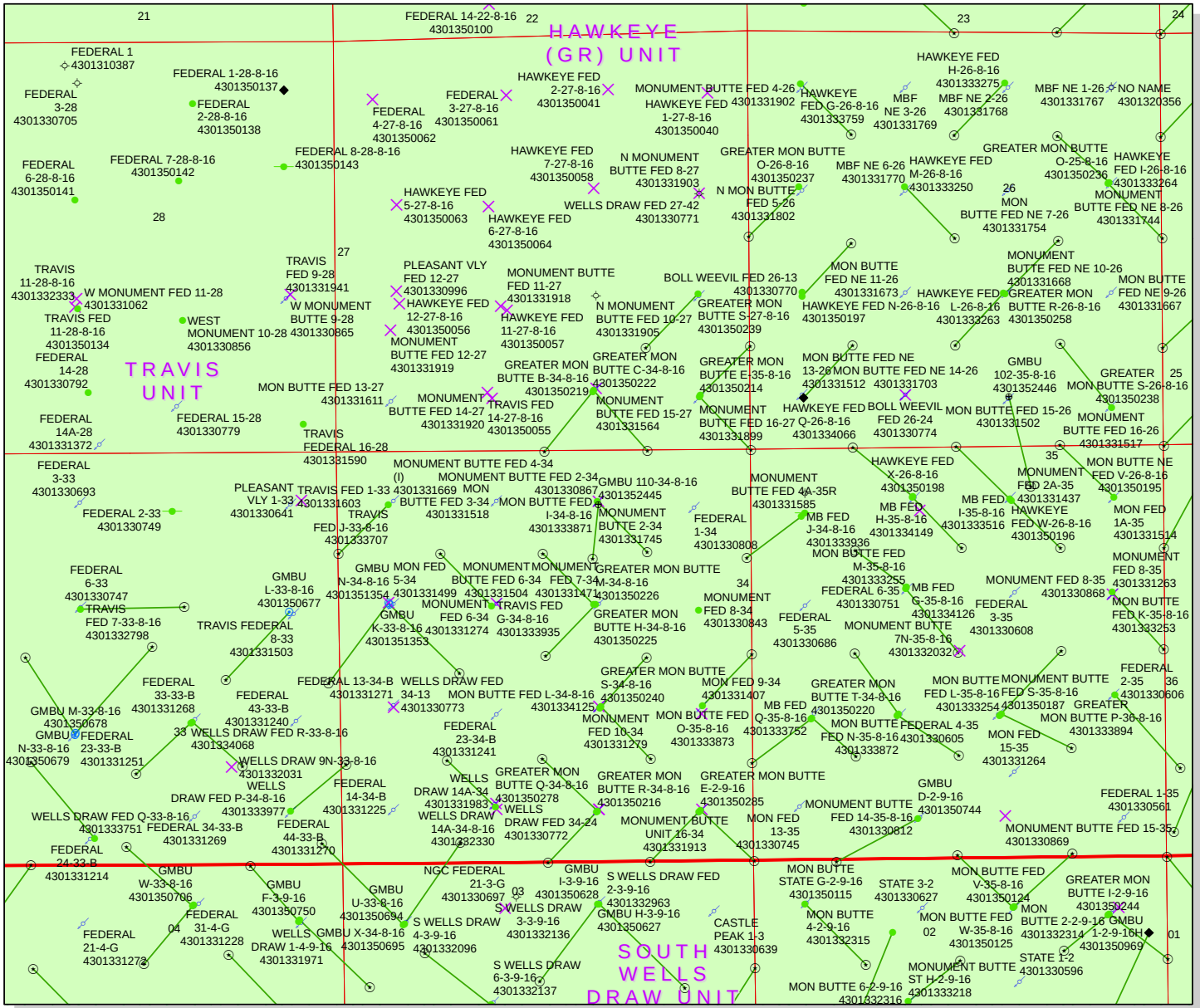
Emulsion Line	.....
Load Rack	- - - - - - - -
Water Line	— · — · —
Gas Sales	— · · — · · —
Oil Line	———

NOT TO SCALE

SURVEYED BY:	K.G.S.	DATE SURVEYED:	01-16-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY:	F.T.M.	DATE DRAWN:	01-14-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE:	NONE	REVISED:			

RECEIVED: August 28, 2013

API Well Number: 43013524450000



API Number: 4301352445

Well Name: GMBU 110-34-8-16

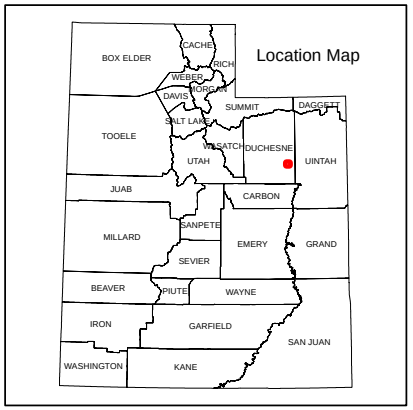
Township T08.0S Range R16.0E Section 34

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED



1,700 850 0 1,700 Feet

1:15,885

RECEIVED: August 29, 2013

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101

IN REPLY REFER TO:
3160
(UT-922)

September 3, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-52377	GMBU G-13-9-15	Sec 13 T09S R15E 1999 FNL 2250 FWL BHL Sec 13 T09S R15E 1137 FNL 0901 FWL
43-013-52388	GMBU Q-18-9-16	Sec 18 T09S R16E 1945 FSL 0590 FWL BHL Sec 18 T09S R16E 1188 FSL 1254 FWL
43-013-52389	GMBU N-18-9-16	Sec 18 T09S R16E 1964 FSL 0581 FWL BHL Sec 18 T09S R16E 2360 FNL 1449 FWL
43-013-52403	GMBU U-21-8-17	Sec 27 T08S R17E 0676 FNL 1301 FWL BHL Sec 21 T08S R17E 0312 FSL 0244 FEL
43-013-52404	GMBU A-33-8-17	Sec 34 T08S R17E 0685 FNL 0902 FWL BHL Sec 33 T08S R17E 0115 FNL 0137 FEL
43-013-52406	GMBU X-27-8-17	Sec 34 T08S R17E 0672 FNL 0918 FWL BHL Sec 27 T08S R17E 0477 FSL 1404 FWL
43-013-52407	GMBU E-13-9-15	Sec 11 T09S R15E 0636 FSL 0708 FEL BHL Sec 13 T09S R15E 0186 FNL 0208 FWL
43-013-52408	GMBU U-15-9-15	Sec 23 T09S R15E 0537 FNL 0687 FWL BHL Sec 15 T09S R15E 0172 FSL 0146 FEL
43-013-52409	GMBU G-23-9-15	Sec 23 T09S R15E 0558 FNL 0685 FWL BHL Sec 23 T09S R15E 1415 FNL 1497 FWL
43-013-52410	GMBU X-14-9-15	Sec 23 T09S R15E 0666 FNL 2006 FWL BHL Sec 14 T09S R15E 0160 FSL 1164 FWL

RECEIVED: September 03, 2013

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-52411	GMBU G-22-9-15	Sec 22 T09S R15E 1909 FNL 1135 FWL
		BHL Sec 22 T09S R15E 1179 FNL 0772 FWL
43-013-52412	GMBU H-23-9-15	Sec 23 T09S R15E 0667 FNL 2027 FWL
		BHL Sec 23 T09S R15E 1413 FNL 2537 FEL
43-013-52413	GMBU H-22-9-15	Sec 22 T09S R15E 1926 FNL 1148 FWL
		BHL Sec 22 T09S R15E 1167 FNL 2319 FEL
43-013-52414	GMBU I-22-9-15	Sec 22 T09S R15E 1982 FNL 1880 FEL
		BHL Sec 22 T09S R15E 1060 FNL 1071 FEL
43-013-52415	GMBU G-3-9-17	Sec 03 T09S R17E 1902 FNL 1994 FWL
		BHL Sec 03 T09S R17E 1103 FNL 1262 FWL
43-013-52416	GMBU K-6-9-16	Sec 05 T09S R16E 2135 FNL 0675 FWL
		BHL Sec 06 T09S R16E 2336 FSL 0120 FEL
43-013-52417	GMBU J-6-9-16	Sec 05 T09S R16E 2115 FNL 0669 FWL
		BHL Sec 06 T09S R16E 1294 FNL 0058 FEL
43-013-52418	GMBU M-24-9-15	Sec 24 T09S R15E 2079 FNL 2071 FEL
		BHL Sec 24 T09S R15E 2317 FSL 2533 FWL
43-013-52419	GMBU L-24-9-15	Sec 24 T09S R15E 2096 FNL 2058 FEL
		BHL Sec 24 T09S R15E 2361 FSL 1235 FEL
43-013-52420	GMBU K-24-9-15	Sec 19 T09S R16E 1834 FNL 0481 FWL
		BHL Sec 24 T09S R15E 2410 FSL 0107 FEL
43-013-52421	GMBU J-24-9-15	Sec 19 T09S R16E 1831 FNL 0502 FWL
		BHL Sec 24 T09S R15E 1219 FNL 0112 FEL
43-013-52422	GMBU M-22-9-15	Sec 22 T09S R15E 2002 FNL 1873 FEL
		BHL Sec 22 T09S R15E 2516 FSL 1903 FWL
43-013-52423	GMBU B-19-9-16	Sec 18 T09S R16E 0637 FSL 2334 FEL
		BHL Sec 19 T09S R16E 0027 FNL 0752 FEL
43-013-52424	GMBU 118-32-8-17	Sec 32 T08S R17E 2310 FSL 2158 FEL
		BHL Sec 32 T08S R17E 2332 FNL 1981 FEL
43-013-52425	GMBU 126-32-8-17	Sec 32 T08S R17E 0861 FSL 1953 FEL
		BHL Sec 32 T08S R17E 1518 FSL 1952 FEL
43-013-52436	GMBU R-18-9-16	Sec 18 T09S R16E 1031 FSL 2024 FWL
		BHL Sec 18 T09S R16E 1543 FSL 2338 FEL
43-013-52437	GMBU I-26-9-15	Sec 23 T09S R15E 0713 FSL 1818 FEL
		BHL Sec 26 T09S R15E 1284 FNL 1375 FEL
43-013-52438	GMBU 112-1-9-16	Sec 01 T09S R16E 1945 FNL 0682 FWL
		BHL Sec 01 T09S R16E 1299 FNL 0716 FWL
43-013-52439	GMBU 111-1-9-16	Sec 01 T09S R16E 2071 FNL 2004 FWL
		BHL Sec 01 T09S R16E 1255 FNL 1803 FWL
43-013-52440	GMBU 118-10-9-16	Sec 10 T09S R16E 1983 FSL 1941 FEL
		BHL Sec 10 T09S R16E 2241 FNL 2129 FEL
43-013-52441	GMBU 125-6-9-17	Sec 06 T09S R17E 2065 FSL 0784 FEL
		BHL Sec 06 T09S R17E 1110 FSL 0492 FEL

RECEIVED: September 03, 2013

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-52442	GMBU 117-6-9-17	Sec 06 T09S R17E 1826 FNL 0938 FEL
		BHL Sec 06 T09S R17E 2485 FSL 0619 FEL
43-013-52443	GMBU 115-6-9-17	Sec 06 T09S R17E 1841 FNL 0954 FEL
		BHL Sec 06 T09S R17E 2032 FNL 1536 FEL
43-013-52444	GMBU 109-6-9-17	Sec 06 T09S R17E 0798 FNL 0652 FEL
		BHL Sec 06 T09S R17E 1456 FNL 0638 FEL
43-013-52445	GMBU 110-34-8-16	Sec 34 T08S R16E 0691 FNL 1952 FEL
		BHL Sec 34 T08S R16E 1396 FNL 2028 FEL
43-013-52446	GMBU 102-35-8-16	Sec 26 T08S R16E 0640 FSL 1971 FEL
		BHL Sec 35 T08S R16E 0521 FNL 1700 FEL
43-013-52447	GMBU 116-6-9-17	Sec 05 T09S R17E 1861 FNL 0559 FWL
		BHL Sec 06 T09S R17E 2016 FNL 0410 FEL
43-013-52448	GMBU 119-31-8-17	Sec 31 T08S R17E 2051 FSL 2017 FWL
		BHL Sec 31 T08S R17E 2352 FNL 1902 FWL
43-013-52449	GMBU 103-1-9-16	Sec 36 T08S R16E 0721 FSL 2308 FWL
		BHL Sec 01 T09S R16E 0274 FNL 2041 FWL
43-013-52451	GMBU 118-6-9-17	Sec 06 T09S R17E 2143 FNL 1952 FEL
		BHL Sec 06 T09S R17E 2290 FSL 1960 FEL
43-013-52457	GMBU 2-26-9-15	Sec 23 T09S R15E 0692 FSL 1820 FEL
		BHL Sec 26 T09S R15E 0647 FNL 1950 FEL
43-013-52458	GMBU 11-18-9-16	Sec 18 T09S R16E 1026 FSL 2004 FWL
		BHL Sec 18 T09S R16E 1982 FSL 1865 FWL

This office has no objection to permitting the wells at this time.

Michael Coulthard

Digitally signed by Michael Coulthard
DN: cn=Michael Coulthard, o=Bureau of Land Management, ou=Division of Minerals, email=mcoultha@blm.gov, c=US
Date: 2013.09.03 08:22:36 -06'00'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:9-3-13

RECEIVED: September 03, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/28/2013 **API NO. ASSIGNED:** 43013524450000
WELL NAME: GMBU 110-34-8-16
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825
CONTACT: Mandie Crozier

PROPOSED LOCATION: NWNE 34 080S 160E **Permit Tech Review:** ☑
SURFACE: 0691 FNL 1952 FEL **Engineering Review:** ☐
BOTTOM: 1396 FNL 2028 FEL **Geology Review:** ☑
COUNTY: DUCHESNE
LATITUDE: 40.07969 **LONGITUDE:** -110.10305
UTM SURF EASTINGS: 576475.00 **NORTHINGS:** 4436987.00
FIELD NAME: MONUMENT BUTTE
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-16535 **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER
SURFACE OWNER: 1 - Federal **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - WYB000493
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: GMBU (GRRV)

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 213-11
Effective Date: 11/30/2009
Siting: Suspends General Siting

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
4 - Federal Approval - dmason
15 - Directional - dmason
27 - Other - bhill

RECEIVED: September 17, 2013

GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: GMBU 110-34-8-16
API Well Number: 43013524450000
Lease Number: UTU-16535
Surface Owner: FEDERAL
Approval Date: 9/17/2013

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at http://oilgas.ogm.utah.gov

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

RECEIVED

AUG 2 9 2013

BLM

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. UTU16535	
6. If Indian, Allottee or Tribe Name	
1a. Type of Work: ☒ DRILL ☐ REENTER	7. If Unit or CA Agreement, Name and No. GREATER MONUMENT
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone	8. Lease Name and Well No. GMBU 110-34-8-16
2. Name of Operator NEWFIELD EXPLORATION — Contact: MANDIE CROZIER, E-Mail: mcrozier@newfield.com	9. API Well No. 43013 52445
3a. Address ROUTE #3 BOX 3630 MYTON, UT 84052 — 3b. Phone No. (include area code) Ph: 435-646-4825 Fx: 435-646-3031	10. Field and Pool, or Exploratory MONUMENT BUTTE
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface NWNE 691FNL 1952FEL; At proposed prod. zone SWNE 1396FNL 2028FEL	11. Sec., T., R., M., or Blk. and Survey or Area Sec 34 T8S R16E Mer SLB
14. Distance in miles and direction from nearest town or post office* 10.7 MILES SW OF MYTON, UT	12. County or Parish DUCHESNE — 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 612' — 16. No. of Acres in Lease 920.00 — 17. Spacing Unit dedicated to this well 10.00	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 782' — 19. Proposed Depth 6365 MD 6320 TVD — 20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KB, RT, GL, etc. 5594 GL — 22. Approximate date work will start 01/31/2014 — 23. Estimated duration 7 DAYS	

RECEIVED
DEC 16 2013
DIV. OF OIL, GAS & MINING

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZIER Ph: 435-646-4825	Date 08/28/2013
Title REGULATORY ANALYST		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date DEC 0 9 2013
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #218455 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal
Committed to AFMSS for processing by LESLIE BUHLER on 09/04/2013 ()

NOTICE OF APPROVAL

UDOGM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Newfield Production Company**	**Location:**	**NWNE, Sec. 34, T8S, R16E**
Well No:	**GMBU 110-34-8-16**	**Lease No:**	**UTU-16535**
API No:	**43-013-52445**	**Agreement:**	

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Green River District Reclamation Guidelines

The Operator will comply with the requirements of the ***Green River District (GRD) Reclamation Guidelines*** formalized by Green River District Instructional Memo UTG000-2011-003 on March 28, 2011. Documentation of the compliance will be as follows:

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the GRD Reclamation Guidelines have been met (30% or greater basal cover).

- Prior to beginning new surface disturbance, the operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) providing the results of the noxious weed inventory described in the GRD Reclamation Guidelines (2011). If weeds are found the report shall include 1) A GPS location recorded in North American Datum 1983; 2) species; 3) canopy cover or number of plants; 4) and size of infestation (estimate square feet or acres. Information shall be also documented in the reclamation report.

CONDITIONS OF APPROVAL

Wildlife

In accordance with the Record of Decision for the Castle Peak and Eightmile Flat Oil and Gas Expansion Project, Newfield Rocky Mountains Inc., the following COA's are required:

- WFM-1 On level or gently sloping ground (5 percent slope or less) Newfield will elevate surface pipelines (4 inches or greater in diameter) a minimum of 6 inches above the ground to allow

passage of small animals beneath the pipe. This ground clearance will be achieved by placing the pipeline on blocks at intervals of 150 to 200 feet.

- WFM-4 Newfield will install noise reduction devices on all pump jacks to reduce intermittent noise to 45 dBA at 660 feet from the source.

COA's derived from mitigating measures in the EA:

If construction and drilling is anticipated during any of the following wildlife seasonal spatial restrictions, a BLM biologist or a qualified consulting firm biologist must conduct applicable surveys using an accepted protocol prior to any ground disturbing activities.

- The proposed project is within 0.25 mile of burrowing owl habitat. If construction or drilling is proposed from March 1-August 31, then a nesting survey will be conducted by a qualified biologist according to protocol. If no nests are located, then permission to proceed may be granted by the BLM Authorized Officer. If a nest is located, then the timing restriction will remain in effect.

- If it is anticipated that construction or drilling will occur during Mountain plover nesting season (May 1 – June 15), a BLM biologist will be notified to determine if surveys are necessary prior to beginning operations. If surveys are deemed necessary, depending on the results permission to proceed may or may not, be granted by the BLM Authorized Officer.

For protection of T&E Fish if drawing water from the Green River

- For areas of fresh water collection, an infiltration gallery will be constructed in a Service approved location. An infiltration gallery is basically a pit or trench dug within the floodplain to a depth below the water table. Water is drawn from the pit rather than from the river directly. If this is not possible, limit pumping within the river to off-channel locations that do not connect to the river during high spring flows.

- If water cannot be drawn using the measures above and the pump head will be located in the river channel where larval fish are known to occur, the following measures apply:
  - Avoid pumping from low-flow or no-flow areas as these habitats tend to concentrate larval fished
  - Avoid pumping to the greatest extent possible, during that period of the year when larval fish may be present (see previous bullet); and
  - Avoid pumping, to the greatest extent possible, during the midnight hours (10:00 p.m. to 2:00 a.m.) as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
  - Screen all pump intakes with 3/32-inch mesh material.

- Report any fish impinged on the intake screen to the FWS office (801.975.3330) and the:
  Utah Division of Wildlife Resources
  Northeastern Region
  152 East 100 North
  Vernal, UT 84078
  (435) 781-9453

Air Quality

- All internal combustion equipment will be kept in good working order.

- Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Drill rigs will be equipped with Tier II or better diesel engines.
- Low bleed pneumatics will be installed on separator dump valves and other controllers.
- During completion, no venting will occur, and flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Telemetry will be installed to remotely monitor and control production.
- When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m) from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO_2 National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas–fired drill rigs, installation of NO_X controls, time/use restrictions, and/or drill rig spacing.
- Green completions will be used for all well completion activities where technically feasible.
- Employ enhanced VOC emission controls with 95% control efficiency on production equipment having a potential to emit greater than 5 tons per year.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- If applicable, Variances to OO2, section III.E shall be granted as requested regarding the air drilling program for the surface hole.
- Newfield Production Co. shall comply with all applicable requirements in the SOP (version: "Greater Monument Butte Green River Development Program", June 24, 2008).
- Cement for the production casing shall be brought 200 feet above the surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each

encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU16535

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: UTU87538X

2. Name of Operator: NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.: GMBU 110-34-8-16

3. Address: ROUTE #3 BOX 3630, MYTON, UT 84052

3a. Phone No. *(include area code)*: Ph:435-646-3721

9. API Well No.: 43-013-52445

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 691' FNL 1952' FEL (NW/NE) SEC 34 T8S R16E (UTU-16535)

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC 34 T8S R16E Mer SLB

At top prod. interval reported below: 1182' FNL 1991' FEL (NW/NE) SEC 34 T8S R16E (UTU-16535)

At total depth: 1409' FNL 2022' FEL (SW/NE) SEC 34 T8S R16E (UTU-16535)

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
02/14/2014	03/05/2014	☐ D & A ☑ Ready to Prod. 03/24/2014	5594' GL 5604' KB

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 6529' TVD 6486'	MD 6497' TVD	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24	0'	313'		180 CLASS G			
7-7/8"	5-1/2" J-55	15.50	0'	6522'		245 Econocem		194'	
						450Expandacem			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@6413'	TA@6256'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4523'	6307'	4523' - 6307' MD	0.34	98	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4523' - 6307' MD	Frac w/ #230,600s of 20/40 white sand in 2,419 bbls of Lightning 17 fluid, in 5 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/25/14	4/4/14	24	→	90	0	73			2.5 X 1.75 X 24' RHAC

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MARK	4004'
				GARDEN GULCH 1	4219'
				GARDEN GULCH 2	4336'
				POINT 3	4604'
				X MRKR	4855'
				Y MRKR	4890'
				DOUGLAS CREEK MRK	5000'
				BI CARBONATE MRK	5266'
				B LIMESTONE MRK	5391'
				CASTLE PEAK	5913'
				BASAL CARBONATE	6333'
				WASATCH	6458'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Heather Calder Title Regulatory Technician

Signature Heather Calder Date 04/14/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 34 T8S, R16E
110-34-8-16
Wellbore #1

Design: Actual

End of Well Report

04 March, 2014

PAYZONE DIRECTIONAL

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 110-34-8-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Well:	110-34-8-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site SECTION 34 T8S, R16E, SEC 34 T8S, R16E

Site Position:		**Northing:**	7,199,000.00 usft	**Latitude:**	40° 4' 29.106 N
From:	Lat/Long	**Easting:**	2,031,000.00 usft	**Longitude:**	110° 6' 14.985 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.89 °

Well 110-34-8-16, SHL LAT: 40 04 47.09 LONG: -110 06 11.06

Well Position	**+N/-S**	0.0 usft	**Northing:**	7,200,824.18 usft	**Latitude:**	40° 4' 47.090 N
	+E/-W	0.0 usft	**Easting:**	2,031,276.62 usft	**Longitude:**	110° 6' 11.060 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	5,604.0 usft	**Ground Level:**	5,594.0 usft

Wellbore Wellbore #1

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	1/15/2013	11.13	65.78	52,126

Design Actual

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.0	0.0	0.0	185.59

Survey Program **Date** 3/4/2014

From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
349.0	6,529.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 110-34-8-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Well:	110-34-8-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
349.0	1.70	157.50	348.9	4.6	-4.8	2.0	0.49	0.49	0.00
380.0	2.45	172.40	379.9	5.6	-5.9	2.2	2.96	2.42	48.06
411.0	2.80	176.20	410.9	7.0	-7.3	2.4	1.26	1.13	12.26
441.0	2.80	175.80	440.9	8.5	-8.7	2.5	0.07	0.00	-1.33
472.0	2.80	175.10	471.8	9.9	-10.2	2.6	0.11	0.00	-2.26
503.0	2.80	181.40	502.8	11.4	-11.8	2.7	0.99	0.00	20.32
534.0	2.80	185.00	533.7	13.0	-13.3	2.6	0.57	0.00	11.61
564.0	2.80	186.10	563.7	14.4	-14.7	2.4	0.18	0.00	3.67
595.0	2.70	185.50	594.7	15.9	-16.2	2.3	0.34	-0.32	-1.94
626.0	3.00	189.00	625.6	17.5	-17.7	2.1	1.12	0.97	11.29
656.0	3.20	189.60	655.6	19.1	-19.3	1.8	0.68	0.67	2.00
687.0	3.70	190.60	686.5	20.9	-21.2	1.5	1.62	1.61	3.23
718.0	4.20	189.90	717.5	23.1	-23.3	1.1	1.62	1.61	-2.26
749.0	4.70	188.10	748.4	25.5	-25.7	0.7	1.67	1.61	-5.81
779.0	4.90	186.90	778.3	28.0	-28.1	0.4	0.75	0.67	-4.00
810.0	5.40	184.80	809.1	30.7	-30.9	0.1	1.72	1.61	-6.77
841.0	5.70	183.00	840.0	33.7	-33.9	-0.1	1.12	0.97	-5.81
872.0	6.00	187.70	870.8	36.9	-37.0	-0.4	1.82	0.97	15.16
902.0	6.20	189.30	900.7	40.1	-40.2	-0.8	0.87	0.67	5.33
933.0	6.20	189.40	931.5	43.4	-43.5	-1.4	0.03	0.00	0.32
964.0	6.40	188.30	962.3	46.8	-46.9	-1.9	0.75	0.65	-3.55
995.0	7.10	185.10	993.1	50.5	-50.5	-2.3	2.56	2.26	-10.32
1,025.0	7.60	183.70	1,022.8	54.3	-54.3	-2.6	1.77	1.67	-4.67
1,069.0	7.70	183.70	1,066.4	60.2	-60.1	-3.0	0.23	0.23	0.00
1,113.0	7.70	183.80	1,110.0	66.0	-66.0	-3.4	0.03	0.00	0.23
1,157.0	7.80	184.30	1,153.6	72.0	-72.0	-3.8	0.27	0.23	1.14

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 110-34-8-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Well:	110-34-8-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
1,201.0	7.80	183.80	1,197.2	77.9	-77.9	-4.2	0.15	0.00	-1.14
1,244.0	7.80	183.90	1,239.8	83.8	-83.7	-4.6	0.03	0.00	0.23
1,288.0	7.80	184.10	1,283.4	89.8	-89.7	-5.0	0.06	0.00	0.45
1,332.0	7.70	183.80	1,327.0	95.7	-95.6	-5.4	0.25	-0.23	-0.68
1,376.0	7.80	183.60	1,370.6	101.6	-101.5	-5.8	0.24	0.23	-0.45
1,420.0	7.70	183.40	1,414.2	107.5	-107.4	-6.2	0.24	-0.23	-0.45
1,463.0	7.50	182.40	1,456.8	113.2	-113.1	-6.5	0.56	-0.47	-2.33
1,507.0	7.30	183.60	1,500.5	118.9	-118.8	-6.8	0.57	-0.45	2.73
1,551.0	7.20	183.40	1,544.1	124.4	-124.3	-7.1	0.23	-0.23	-0.45
1,595.0	7.20	182.30	1,587.8	129.9	-129.8	-7.4	0.31	0.00	-2.50
1,639.0	7.10	181.50	1,631.4	135.4	-135.3	-7.6	0.32	-0.23	-1.82
1,682.0	6.90	182.10	1,674.1	140.6	-140.5	-7.7	0.50	-0.47	1.40
1,726.0	6.90	183.30	1,717.8	145.9	-145.8	-8.0	0.33	0.00	2.73
1,770.0	6.60	185.80	1,761.5	151.1	-151.0	-8.4	0.95	-0.68	5.68
1,814.0	7.00	181.90	1,805.2	156.3	-156.2	-8.7	1.39	0.91	-8.86
1,858.0	7.10	184.50	1,848.9	161.7	-161.6	-9.0	0.76	0.23	5.91
1,902.0	6.70	184.70	1,892.5	167.0	-166.8	-9.5	0.91	-0.91	0.45
1,945.0	6.40	184.80	1,935.3	171.9	-171.7	-9.9	0.70	-0.70	0.23
1,989.0	6.40	185.90	1,979.0	176.8	-176.6	-10.3	0.28	0.00	2.50
2,033.0	6.40	185.80	2,022.7	181.7	-181.5	-10.8	0.03	0.00	-0.23
2,077.0	6.30	186.00	2,066.4	186.5	-186.3	-11.3	0.23	-0.23	0.45
2,121.0	6.40	188.80	2,110.2	191.4	-191.2	-12.0	0.74	0.23	6.36
2,164.0	6.30	187.20	2,152.9	196.2	-195.9	-12.6	0.47	-0.23	-3.72
2,208.0	6.70	185.90	2,196.6	201.1	-200.8	-13.2	0.97	0.91	-2.95
2,252.0	6.90	184.40	2,240.3	206.3	-206.0	-13.6	0.61	0.45	-3.41
2,296.0	6.60	183.40	2,284.0	211.5	-211.2	-14.0	0.73	-0.68	-2.27
2,340.0	6.90	182.70	2,327.7	216.7	-216.3	-14.3	0.71	0.68	-1.59

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 110-34-8-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Well:	110-34-8-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
2,383.0	7.30	185.70	2,370.4	222.0	-221.6	-14.7	1.27	0.93	6.98
2,427.0	7.10	185.50	2,414.0	227.5	-227.1	-15.2	0.46	-0.45	-0.45
2,471.0	6.80	183.50	2,457.7	232.8	-232.4	-15.6	0.88	-0.68	-4.55
2,515.0	7.10	186.60	2,501.4	238.2	-237.7	-16.1	1.09	0.68	7.05
2,559.0	6.80	186.50	2,545.1	243.5	-243.0	-16.7	0.68	-0.68	-0.23
2,602.0	6.90	186.40	2,587.7	248.6	-248.1	-17.3	0.23	0.23	-0.23
2,646.0	6.70	187.50	2,631.4	253.8	-253.3	-17.9	0.54	-0.45	2.50
2,690.0	6.90	188.20	2,675.1	259.0	-258.4	-18.6	0.49	0.45	1.59
2,734.0	6.70	187.70	2,718.8	264.2	-263.6	-19.3	0.47	-0.45	-1.14
2,777.0	7.40	188.30	2,761.5	269.5	-268.8	-20.1	1.64	1.63	1.40
2,821.0	7.00	185.20	2,805.1	275.0	-274.3	-20.7	1.27	-0.91	-7.05
2,865.0	6.90	180.20	2,848.8	280.3	-279.6	-21.0	1.39	-0.23	-11.36
2,910.0	6.70	177.35	2,893.5	285.6	-284.9	-20.9	0.87	-0.44	-6.33
2,954.0	7.00	170.00	2,937.2	290.7	-290.1	-20.3	2.10	0.68	-16.70
2,997.0	6.70	166.80	2,979.9	295.6	-295.2	-19.3	1.13	-0.70	-7.44
3,041.0	7.60	171.50	3,023.5	300.9	-300.5	-18.2	2.44	2.05	10.68
3,085.0	7.90	176.80	3,067.1	306.7	-306.4	-17.6	1.76	0.68	12.05
3,129.0	8.00	177.80	3,110.7	312.7	-312.5	-17.4	0.39	0.23	2.27
3,173.0	8.30	181.60	3,154.3	318.9	-318.7	-17.3	1.40	0.68	8.64
3,216.0	8.00	183.30	3,196.8	325.0	-324.8	-17.6	0.89	-0.70	3.95
3,260.0	7.50	186.00	3,240.4	330.9	-330.7	-18.1	1.41	-1.14	6.14
3,304.0	7.40	186.30	3,284.1	336.6	-336.4	-18.7	0.24	-0.23	0.68
3,348.0	7.80	187.20	3,327.7	342.5	-342.2	-19.4	0.95	0.91	2.05
3,391.0	7.20	186.50	3,370.3	348.1	-347.8	-20.0	1.41	-1.40	-1.63
3,435.0	7.50	188.30	3,414.0	353.7	-353.4	-20.8	0.86	0.68	4.09
3,479.0	7.50	188.00	3,457.6	359.4	-359.0	-21.6	0.09	0.00	-0.68
3,523.0	8.25	187.40	3,501.2	365.5	-365.0	-22.4	1.71	1.70	-1.36

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 110-34-8-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Well:	110-34-8-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
3,567.0	8.00	187.60	3,544.7	371.7	-371.2	-23.2	0.57	-0.57	0.45
3,611.0	8.00	187.30	3,588.3	377.8	-377.3	-24.0	0.09	0.00	-0.68
3,654.0	7.90	187.90	3,630.9	383.7	-383.1	-24.8	0.30	-0.23	1.40
3,698.0	7.90	187.80	3,674.5	389.8	-389.1	-25.6	0.03	0.00	-0.23
3,742.0	7.80	188.00	3,718.0	395.8	-395.1	-26.4	0.24	-0.23	0.45
3,785.0	7.90	188.90	3,760.6	401.6	-400.9	-27.3	0.37	0.23	2.09
3,828.0	7.50	188.40	3,803.3	407.4	-406.6	-28.2	0.94	-0.93	-1.16
3,872.0	7.30	188.20	3,846.9	413.1	-412.2	-29.0	0.46	-0.45	-0.45
3,916.0	7.60	190.30	3,890.5	418.8	-417.8	-29.9	0.92	0.68	4.77
3,960.0	7.20	190.40	3,934.2	424.4	-423.4	-30.9	0.91	-0.91	0.23
4,004.0	7.00	189.20	3,977.8	429.8	-428.8	-31.8	0.57	-0.45	-2.73
4,047.0	7.30	188.20	4,020.5	435.2	-434.1	-32.6	0.76	0.70	-2.33
4,091.0	6.90	187.60	4,064.1	440.6	-439.4	-33.4	0.92	-0.91	-1.36
4,135.0	6.70	187.20	4,107.8	445.8	-444.6	-34.1	0.47	-0.45	-0.91
4,179.0	7.20	186.70	4,151.5	451.1	-449.9	-34.7	1.14	1.14	-1.14
4,223.0	7.00	187.50	4,195.2	456.6	-455.3	-35.4	0.51	-0.45	1.82
4,267.0	6.90	187.30	4,238.9	461.9	-460.6	-36.1	0.23	-0.23	-0.45
4,310.0	7.20	186.70	4,281.5	467.2	-465.8	-36.7	0.72	0.70	-1.40
4,354.0	6.90	185.80	4,325.2	472.6	-471.2	-37.3	0.73	-0.68	-2.05
4,398.0	6.60	185.00	4,368.9	477.7	-476.3	-37.8	0.71	-0.68	-1.82
4,442.0	6.30	184.90	4,412.6	482.7	-481.2	-38.2	0.68	-0.68	-0.23
4,486.0	6.70	183.60	4,456.3	487.7	-486.2	-38.6	0.97	0.91	-2.95
4,529.0	6.50	183.60	4,499.0	492.6	-491.1	-38.9	0.47	-0.47	0.00
4,573.0	6.60	185.30	4,542.8	497.6	-496.2	-39.3	0.50	0.23	3.86
4,617.0	6.60	187.00	4,586.5	502.7	-501.2	-39.8	0.44	0.00	3.86
4,661.0	6.90	190.00	4,630.2	507.8	-506.3	-40.6	1.05	0.68	6.82
4,705.0	6.50	191.30	4,673.9	512.9	-511.3	-41.5	0.97	-0.91	2.95

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 110-34-8-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Well:	110-34-8-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
4,749.0	6.30	189.60	4,717.6	517.8	-516.2	-42.4	0.63	-0.45	-3.86
4,792.0	6.80	189.40	4,760.3	522.7	-521.0	-43.2	1.16	1.16	-0.47
4,836.0	6.50	187.40	4,804.0	527.8	-526.0	-44.0	0.86	-0.68	-4.55
4,880.0	7.20	184.10	4,847.7	533.1	-531.3	-44.5	1.82	1.59	-7.50
4,924.0	7.20	184.40	4,891.3	538.6	-536.8	-44.9	0.09	0.00	0.68
4,968.0	7.00	187.90	4,935.0	544.0	-542.2	-45.5	1.08	-0.45	7.95
5,011.0	6.90	187.70	4,977.7	549.2	-547.3	-46.2	0.24	-0.23	-0.47
5,055.0	7.70	191.50	5,021.3	554.8	-552.8	-47.1	2.12	1.82	8.64
5,099.0	7.60	191.40	5,064.9	560.6	-558.6	-48.3	0.23	-0.23	-0.23
5,143.0	7.60	191.80	5,108.6	566.4	-564.3	-49.5	0.12	0.00	0.91
5,187.0	7.38	189.70	5,152.2	572.1	-569.9	-50.5	0.80	-0.50	-4.77
5,230.0	7.03	189.06	5,194.8	577.5	-575.2	-51.4	0.84	-0.81	-1.49
5,274.0	6.55	188.45	5,238.5	582.7	-580.4	-52.2	1.10	-1.09	-1.39
5,318.0	6.15	187.80	5,282.3	587.5	-585.2	-52.9	0.92	-0.91	-1.48
5,362.0	6.54	186.31	5,326.0	592.4	-590.0	-53.5	0.96	0.89	-3.39
5,406.0	6.15	185.02	5,369.7	597.3	-594.8	-54.0	0.94	-0.89	-2.93
5,449.0	6.68	181.68	5,412.5	602.1	-599.6	-54.3	1.51	1.23	-7.77
5,493.0	6.46	179.85	5,456.2	607.1	-604.7	-54.3	0.69	-0.50	-4.16
5,537.0	6.67	177.20	5,499.9	612.1	-609.7	-54.2	0.84	0.48	-6.02
5,581.0	6.48	173.90	5,543.6	617.0	-614.7	-53.8	0.96	-0.43	-7.50
5,625.0	6.90	172.98	5,587.3	622.0	-619.8	-53.2	0.99	0.95	-2.09
5,668.0	6.50	175.50	5,630.0	627.0	-624.8	-52.7	1.15	-0.93	5.86
5,712.0	6.94	182.56	5,673.7	632.1	-629.9	-52.6	2.13	1.00	16.05
5,757.0	6.68	183.60	5,718.4	637.4	-635.3	-52.9	0.64	-0.58	2.31
5,800.0	7.62	183.10	5,761.0	642.7	-640.6	-53.2	2.19	2.19	-1.16
5,844.0	7.47	184.40	5,804.7	648.5	-646.4	-53.6	0.52	-0.34	2.95
5,887.0	7.91	189.90	5,847.3	654.3	-652.1	-54.3	1.99	1.02	12.79

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 110-34-8-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	110-34-8-16 @ 5604.0usft (SS #2)
Well:	110-34-8-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
5,931.0	7.38	193.60	5,890.9	660.1	-657.8	-55.5	1.64	-1.20	8.41
5,975.0	6.90	195.50	5,934.5	665.5	-663.1	-56.9	1.22	-1.09	4.32
6,019.0	6.90	194.80	5,978.2	670.7	-668.2	-58.3	0.19	0.00	-1.59
6,063.0	7.00	193.40	6,021.9	676.0	-673.4	-59.6	0.45	0.23	-3.18
6,106.0	6.80	193.00	6,064.6	681.1	-678.4	-60.7	0.48	-0.47	-0.93
6,150.0	6.60	193.40	6,108.3	686.2	-683.4	-61.9	0.47	-0.45	0.91
6,194.0	6.20	193.90	6,152.0	691.0	-688.2	-63.1	0.92	-0.91	1.14
6,238.0	6.10	193.30	6,195.8	695.7	-692.7	-64.2	0.27	-0.23	-1.36
6,282.0	5.80	194.30	6,239.5	700.2	-697.2	-65.3	0.72	-0.68	2.27
6,325.0	5.50	193.90	6,282.3	704.4	-701.3	-66.3	0.70	-0.70	-0.93
6,369.0	5.10	194.90	6,326.1	708.4	-705.2	-67.3	0.93	-0.91	2.27
6,413.0	4.80	194.40	6,370.0	712.2	-708.9	-68.3	0.69	-0.68	-1.14
6,457.0	4.60	193.10	6,413.8	715.7	-712.4	-69.1	0.51	-0.45	-2.95
6,529.0	4.30	191.00	6,485.6	721.3	-717.8	-70.3	0.47	-0.42	-2.92

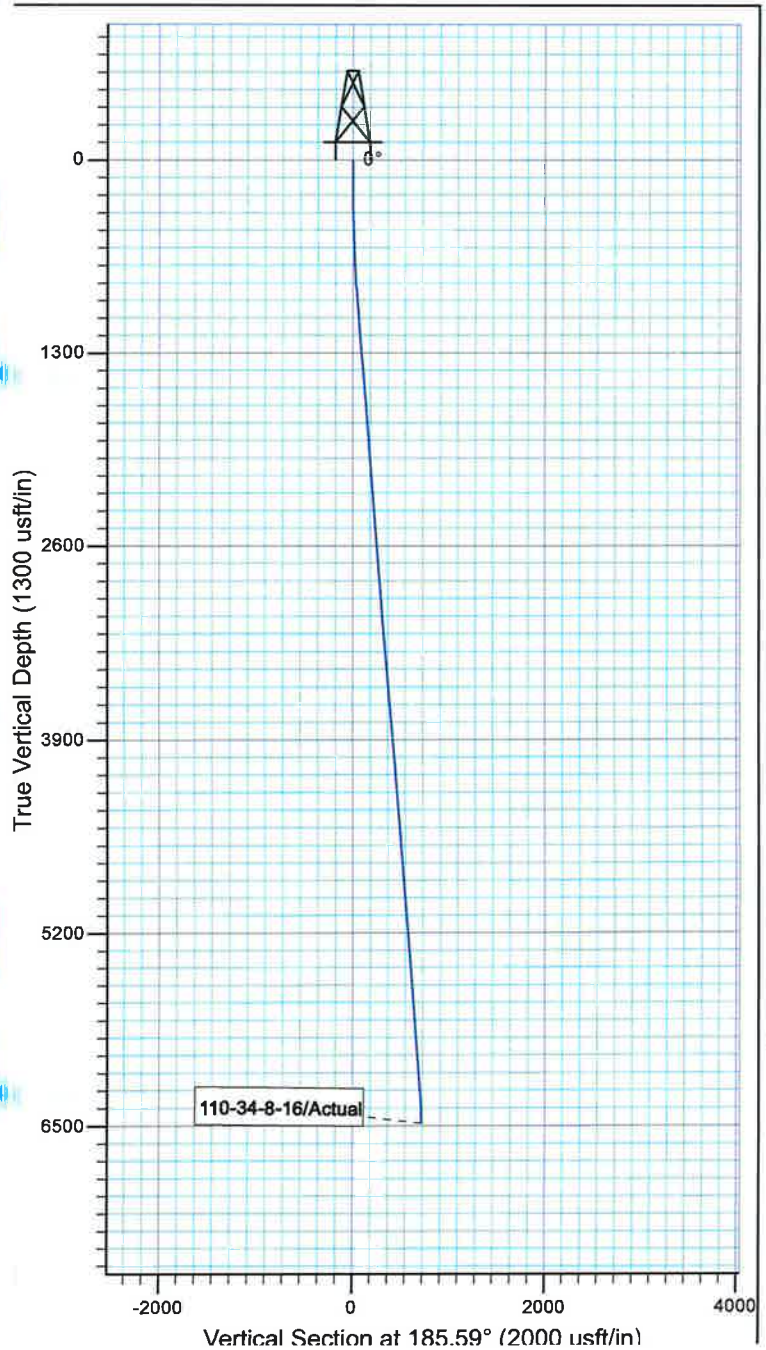
Checked By: _____ Approved By: _____ Date: _____

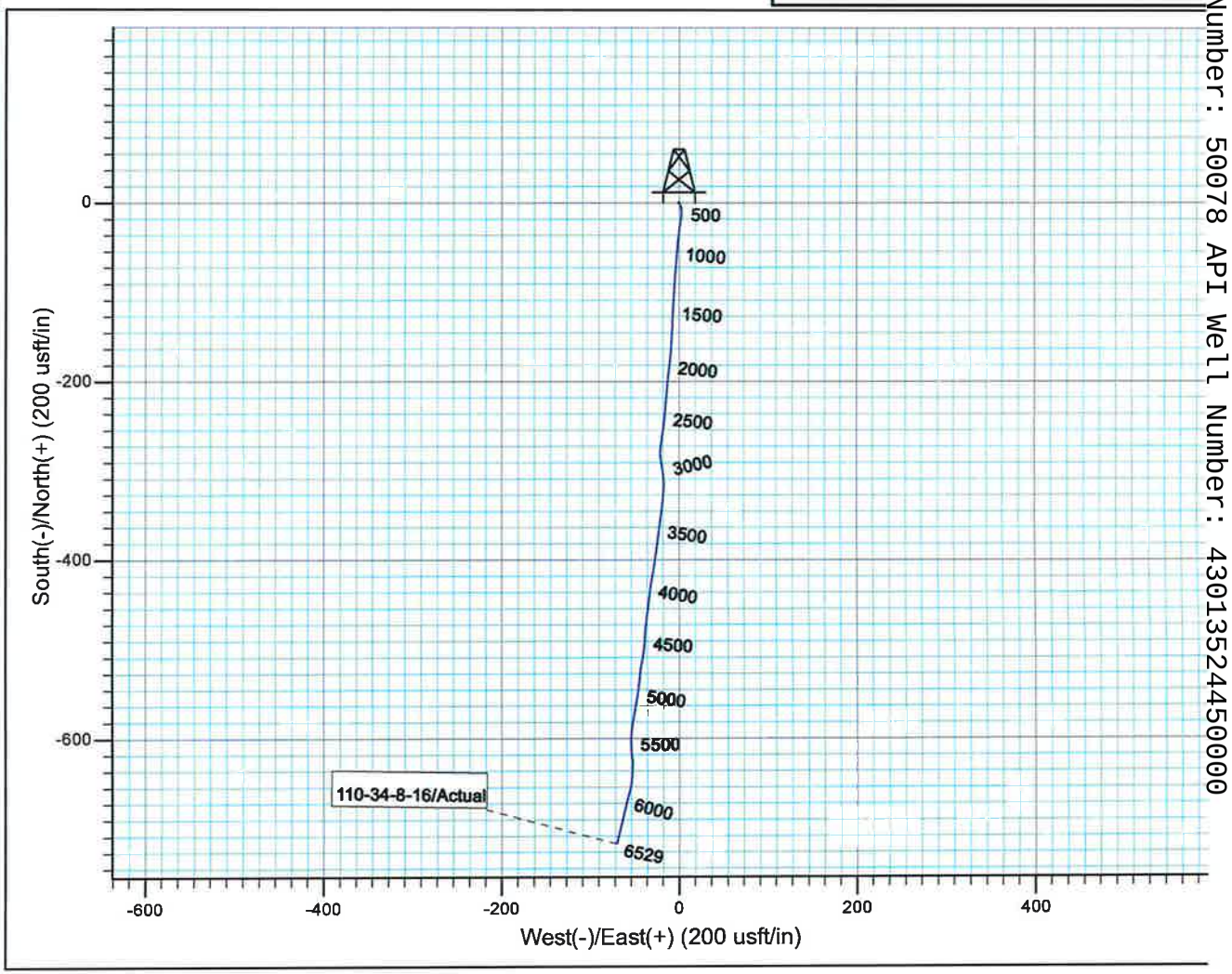
NEWFIELD

Project: USGS Myton SW (UT)
Site: SECTION 34 T8S, R16E
Well: 110-34-8-16
Wellbore: Wellbore #1
Design: Actual

Azimuths to True North
Magnetic North: 11.13°

Magnetic Field
Strength: 52126.2snT
Dip Angle: 65.78°
Date: 1/15/2013
Model: IGRF2010





Design: Actual (110-34-8-16/Wellbore #1)

Created By: Matthew Linton Date: 14:33, March 04 2

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA

Sundry Number: 50078 API Well Number: 43013524450000

NEWFIELD

Summary Rig Activity

Well Name: GMBU 110-34-8-16

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
3/18/2014	3/19/2014	CBL/psi test/perf stg 1

Start Time	End Time	Comment
00:00	06:00	
06:00	07:30	Safety mtg-MIRU Perforators wireline
07:30	09:00	RIH w/cbl tools. Run log from 6463' to surface under 0 psi. Estimated cement top @ 194', SJ @ 3760.5-3772'.
09:00	11:00	RU B&C Quicktest. PSI test csg/BOPs/frac valve-good test
11:00	12:00	RIH w/3 1/8" slick guns (16g, 0.34 EH, 21.00 pen). Perforate stg 1 @ CP5 6304-07', 6294-95', 6253-55', 6238-39' w/3 spf for total of 21 shots.
12:00	00:00	

Report Start Date	Report End Date	24hr Activity Summary
3/19/2014	3/20/2014	Frac well

Start Time	End Time	Comment
00:00	11:00	
11:00	13:00	MIRU Nabors frac crew & Perforators wireline
13:00	13:15	Location safety mtg pre-frac
13:15	13:30	PSI test all frac iron & equipment
13:30	14:00	Stage #1, CP5 sands. 191 psi on well. Frac CP5 sds w/35,198#s of 20/40 White sand in 203 bbls 17# Crosslinked fluid. Broke @ 3135 psi @ 3.3 BPM. ISIP 1893 psi, FG=.75, Treated w/ ave pressure of 3520 psi @ ave rate of 32.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISDP 1977 psi. FG=.84 5 min SIP 1829 psi, 10 min SIP 1844 psi, 15 min SIP 1756 psi. Leave pressure on well. 480 total BWTR
14:00	14:45	RU Perforators WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/Nabors blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 6110'. Perforate CP2 & Cp half @ 6029-31', 6020-22', 5947-48', 5939-41' w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/3 spf for total of 21 shots.
14:45	15:00	Stage #2, CP2 & CP half sands. 1714 psi on well. CP2 & CP half sds w/40,321#s of 20/40 White sand in 202 bbls 17# Crosslinked fluid. Broke @ 2586 psi @ 2.8 BPM. Treated w/ ave pressure of 2894 psi @ ave rate of 42.3 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISDP 1961 psi. FG=.78, 5 min SIP 1800 psi, 10 min SIP 1763 psi, 15 min SIP 1749 psi. Leave pressure on well. 476 total BWTR
15:00	15:45	RU Perforators WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/Nabors blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set SOLID plug @ 5670'. Perforate LODC & A1 sands @ 5580-84', 5576-77', 5570-71', 5563-64', 5546-47', 5501-02' slick guns (16g, 0.34 EH, 21.00 pen) w/2 spf for total of 18 shots.

NEWFIELD

Summary Rig Activity

Well Name: GMBU 110-34-8-16

Start Time	End Time	Comment
15:45	16:00	Stage #3, LODC & A1 sands. 506 psi on well. Frac LODC & A1 sds w/71,647#s of 20/40 White sand in 391 bbls 17# Crosslinked fluid. Broke @ 2293 psi @ 2.5 BPM. Treated w/ ave pressure of 2677 psi @ ave rate of 43.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISDP 1955 psi. FG=.80, 5 min SIP 1712 psi, 10 min SIP 1639 psi, 15 min SIP 11602 psi. Leave pressure on well. 584 total BWTR
16:00	16:45	RU Perforators WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/Nabors blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 5290'. Perforate C, D1 & DS sands @ 5218-20', 5209-11', 5061-63', 5047-48', 5025-26', 4992-94' slick guns (16g, 0.34 EH, 21.00 pen) w/2 spf for total of 20 shots.
16:45	17:15	Stage #4, C, D1 & DS sands. 1531 psi on well. Frac C, D1 & DS sds w/60,411#s of 20/40 White sand in 333 bbls 17# Crosslinked fluid. Broke @ 2015 psi @ 4.8 BPM. Treated w/ ave pressure of 2951 psi @ ave rate of 45.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISDP 2123 psi. FG=.87, 5 min SIP 1946 psi, 10 min SIP 1881 psi, 15 min SIP 1837 psi. Leave pressure on well. 556 total BWTR
17:15	18:00	RU Perforators WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/Nabors blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 4650'. Perforate GB6 & GB4 sands @ 4576-78', 4567-69', 4523-25' slick guns (16g, 0.34 EH, 21.00 pen) w/3 spf for total of 18 shots.
18:00	18:30	Stage #5, GB6 & GB4 sands. 1765 psi on well. Frac GB6 & GB4 half sds w/23,023#s of 20/40 White sand in 211 bbls 17# Crosslinked fluid. Broke @ 2110 psi @ 7.8 BPM. Treated w/ ave pressure of 2887 psi @ ave rate of 42.3 BPM. ISDP 1978 psi. FG= .89, 5 min SIP 1793 psi, 10 min SIP 1801 psi, 15 min SIP 1816 psi. 323 total BWTR
18:30	00:00	Opened well to flowback tanks @ 3bpm. returned approx. 800 bbls.

Report Start Date	Report End Date	24hr Activity Summary
3/20/2014	3/21/2014	Set KP, NU/test BOP, MIRUSU

Start Time	End Time	Comment
00:00	01:00	Finish flowback, Shut in well
01:00	06:00	
06:00	07:00	RU Extreme wireline
07:00	08:00	RIH w/Weatherford composite bull plug. Set KP @ 4420'. Bleed off well. RD wireline
08:00	09:30	ND frac valve, NU pipe rams.
09:30	11:00	RU B&C Quicktest. PSI test pipe rams-good test.
11:00	12:00	Offload tbg to racks.
12:00	16:45	Wait on rig to arrive.
16:45	19:30	MIRU Nabors #1608. Spot in rig, RU rig, RU workfloor, prep & tally tbg.
19:30	00:00	

NEWFIELD

Summary Rig Activity

Well Name: GMBU 110-34-8-16

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
3/21/2014	3/22/2014	Drillout plugs, C/O to PBTD

Start Time	End Time	Comment
00:00	06:00	
06:00	07:00	Crew travel & safety mtg
07:00	10:00	MU new 4 3/4" bit w/bit sub. PU 136 jts 2 7/8" J55 tbg & tag KP @ 4430'. No fill
10:00	12:00	Spot in swvl, RU swvl, MU hard line to well.
12:00	13:00	Pressure test lines. Pump dwn tbg/up csg, circ oil out of well. Drill up KP (10min).
13:00	13:30	PU 6 jts & tag plug @ 4650')no fill). Break circ, drill up plug (12min).
13:30	14:30	RD swvl, PU 20 jts, tag plug @ 5290' (no fill). RU swvl, break circ. Drill up plug (10min).
14:30	15:45	RD swvl, PU 11 jts, tag fill 5660' (10' fill). RU swvl, break circ. clean fill to plug @ 5670'. Drill up solid plug (10min) 600 psi under plug. Circ out gas.
15:45	16:30	RD swvl, PU 13 jts, tag plug @ 6110' (no fill). RU swvl, break circ. Drill up plug (10min).
16:30	17:15	RD swvl, PU 11 jts, tag fill @ 6460', (37' fill), RU swvl, break circ. Clean fill to PBTD @ 6497'.
17:15	19:00	RD swvl, circ well clean w/140bbls. LD 5 jts. SWIFN EOT @ 6320'.
19:00	20:00	
20:00	00:00	

Report Start Date	Report End Date	24hr Activity Summary
3/24/2014	3/25/2014	RT/land tbg. RIH w/rods & pump.

Start Time	End Time	Comment
00:00	06:00	
06:00	07:00	Crew travel & safety mtg
07:00	08:45	SICP 700 psi. SITP 450 psi. MU hardline, bleed dwn well. pump dwn tbg, up csg w/160 bbls KCL to kill well
08:45	10:30	POOH w/195 jts of 2 7/8" J55 tbg. Break off bit & bit sub.
10:30	12:00	MU BHA PV,2 jts, desander, 4' pup jt, 1 jt, PSN, 1 jt, TAC, TIH w/191 jts tbg, csg flowing, had to kill well.
12:00	13:15	pump dwn tbg, up csg w/140 bbls to kill well
13:15	14:30	Tie back to single line, set TAC, RD workfloor, ND BO{s, land well on hanger w/18k tension, NU WH, tie back ti double line, change over for rods.
14:30	17:45	Spot in rod trailer, PU National pump 2.5x1.75x24' and prime (good). PU 30 7/8" 8pers, 129 3/4" 4per, 43 7/8" 4pers, 47 7/8" 8pers, space well w/8', 6', 4' and 2' pony. PU polish rod.

NEWFIELD

Summary Rig Activity

Well Name: GMBU 110-34-8-16

Start Time	End Time	Comment
17:45	19:30	tbg full, stroke test pump w/rig to 800psi-good. roll unit & hang horse head. rack out pump & tank. rack out location. Too windy to rig down.
19:30	20:30	
20:30	00:00	